105-J

013638

PELLY BANKS SYNDICATE (CARLOS/HARRIS)

HOLDINGS SOUTHEAST OF ROSS RIVER

D. S. Jennings

November 23, 1978

Cyprus Anvil Mining Corporation — Interoffice Correspondence

To: J. G. Simpson

Date: November 23, 1978

From: D. S. Jennings

Subject: Pelly Banks Syndicate (Carlos/Harris)
Holdings Southeast of Ross River

Data on the Leach/Fault/Czar and Reno/Shale/Fred/Eagle claims groups has been presented to Cyprus Anvil by Allan Carlos of Pelly Banks Syndicate for evaluation and possible option. This memo provides a brief review of his data and an assessment thereof.

General:

All workers in the general area (Figure 1) consider their land packages to cover on-strike extensions of the Anvil District. We know this is not the case, rather all claim groups in the area are situated in the "Klondike Schist Terrane" on the southwest side of the Finlayson Lake Suture Zone. Therefore, exploration in this area is oriented at targets other than the pyritic statiform/stratabound Pb/Zn deposits of Anvil Range. At this point, it is difficult to "pigeon-hole" the "Pelly Banks" area deposits other than to say they are crudely stratiform and non-pyritic, reminiscent of the HOO property of Archer-Cathro. More information should be gathered on the HOO to enable better comparison.

A brief analysis of exploration data on each of the two claim groupings is given below. Support data is appended to this memo.

Leach/Fault/Czar (LFC):

Soil geochemistry, selected gravity and "shootback" EM surveys were conducted over the small grid on the LFC Group (Figure 1) with reconnaissance geochemistry over much of the group. Brendex optioned the ground completing the reconnaissance geochem, then DuPont picked up the group completing gravity (Ager) and EM over the most promising area from the Brendex survey. DuPont drilled five holes (logs in Appendix I) on EM/gravity/geochem combinations ranging in depth from 35 - 72m, much shorter than recommended by Ager for evaluation of the gravity targets. Analysis of the core suggests the anomalous Zn geochem to be rock type (graphitic phyllite) background. Inspection of the soil and rock geochem data suggests utterly no Pb support for the anomalous Zn on soils and core.

The presence of "anomalous" Zn-only geochemistry values with no supporting Pb, coupled with residual gravity anomalies of only up to 0.2 m.gal, does not present an encouraging picture. In addition, the DuPont drilling has more or less eliminated any possibility of near-surface deposits. This land package should not be considered for option (Dupont recently returned it to the vendors).

... 2

Shale/Reno/Fred/Eagle:

This group contains the long-rumored "Carlos Boulder" of sulfides located in the centre of the Reno/Shale group. This boulder (up to 10 feet across) looks to be nearly in place because of its size and angularity. From the photographs, it looks to be a heavily folded phyllite or quartzite. It is difficult to tell how much of it is mineralized. High grade "grab sample" analyses and rock descriptions are included as Appendix II. In 1978(?), Carlos discovered a rumored, "in place" showing (see Figure 1) which was subsequently trenched. The photographs of said trench give the impression that the mineralized widths are <1 metre but this is uncertain. No assays are available but estimates of 6 - 10% combined Pb+Zn are probable. Hand specimen descriptions are included in Appendix II.

Work done on the property includes:

1. prospecting,
2. geochemistry,
3. EM surveys,
4. gravity surveys, and
5. diamond drilling.

A prospecting report by Carolos (1 July, 1977 to 30 March, 1978) is of no value and was not retained.

Carlos' geochemistry surveys are included in Appendix III. The surveys were a mixture of chain and compass soil and stream silts, all in all an amateurish job. The surveys cover only a limited area around the "boulder". As was the case on the LFC block, Pb does not support weakly to moderately anomalous Zn and there is little real encouragement in Carlos' data (all of questionable value).

The EM surveys are EM-16 and 17 run by Carlos and interpeted by Steve Presunka with a Fraser filter applied. One conductor of significance was isolated (see gravity map, Appendix III).

Gravity surveys conducted by Ager (Appendix III) define two highs separated by a gravity low and near coincident magnetic high. The southern high (1.0 m.gal. or less) was recommended for drill testing with three holes $>600'$ by Ager. This was not followed up on by Carlos and Harris (see gravity map, Appendix III).

Carlos and Harris drilled four holes (generally short) on the property in 1978 (see gravity map, Appendix III for particulars) with their own BBS-1. Three holes of variable length were completed near the boulder in the central portion of the claims. One hole, SR-02, was drilled on the EM conductor coincident with the gravity high. The core was logged by Messrs. Chow and Po of Kerr Addison (logs in Appendix III). The hole spotted on the gravity anomaly near the "boulder", SR-01, was drilled to 793' with no explanation of the anomaly save, perhaps, thin overburden. No sulfides were encountered although "bleached" sericite phyllites are reported at the bottom of the hole. SR-02, as expected, hit graphitic phyllites, as did SR-03 and 04. It is important to note that neither the "boulder" nor the trench showing appears to be associated with graphitic units, hence the EM/gravity coincidence

model may not be all that sound. Perhaps the best remaining targets on the property are the two gravity residuals (1.0 m.gal.) as yet untested by the vendors. Core is stored in the Bostock Core Library in Whitehorse.

Impressions and Recommendations:

To date, all workers in this area consider it to be an extension of the Anvil belt, which we know it's not. The only real bit of encouragement in the total land package are the two sulfide showings which, of course, are difficult to evaluate, not having seen them in the field. The gravity may lend some support to the plus side of the ledger, however, the disseminated nature of the mineralization on balance probably negates gravity as a definitive tool. Obviously, I'm not hot and bothered by this prospect for a lot of obvious reasons, viz: not Anvil belt, small(?) showings, difficult to trace geophysically (except by spectral I.P.??), etc., etc. However, this property should be visited and/or considered for inclusion into the AnMac J.V. (H.B.O.G. willing), if suitable cheap and nasty terms can be arranged. Basically, I'd re-do the geochem, map the property and run spectral I.P. (when available) over the showing area and gravity anomalies.

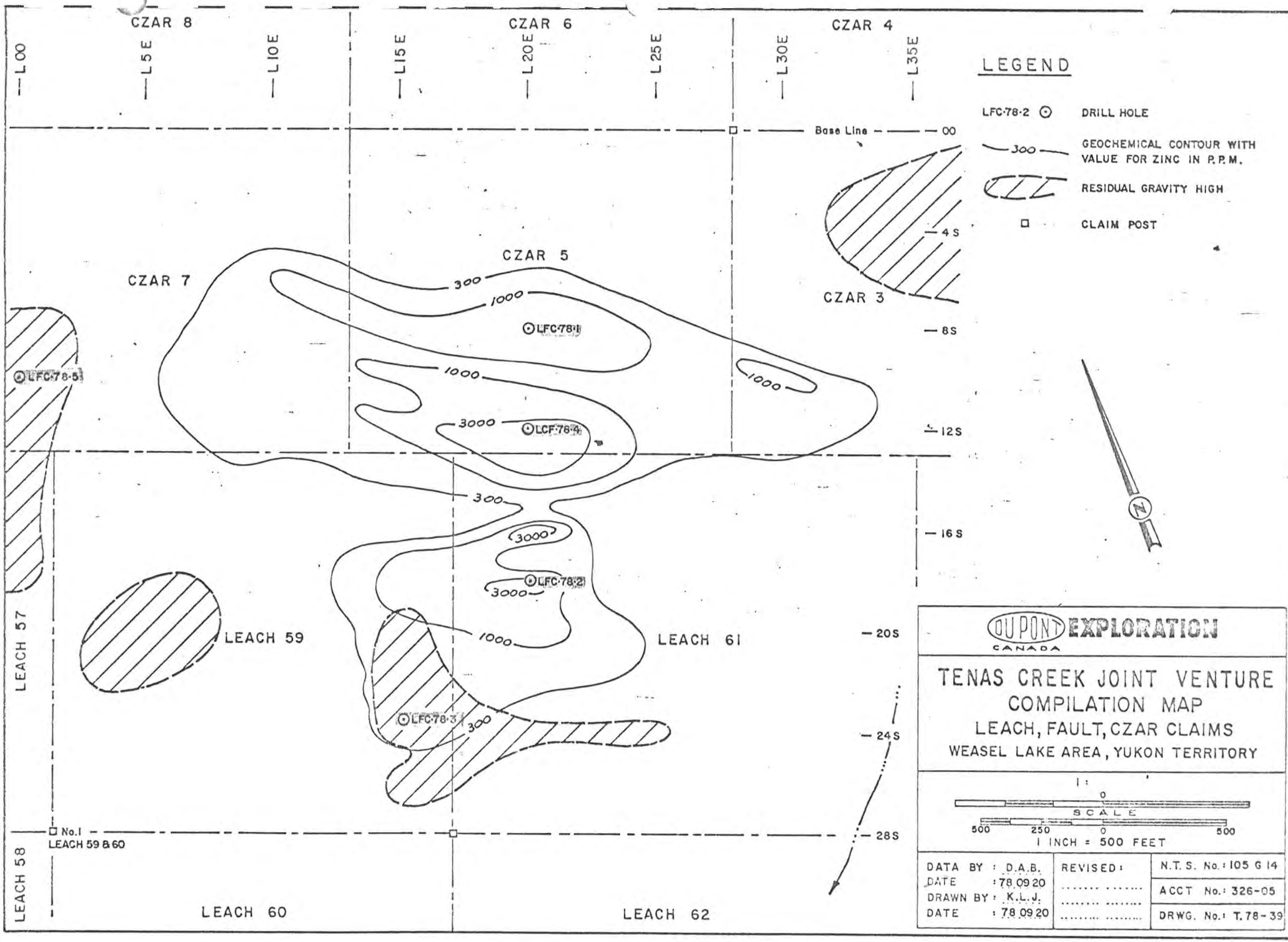
This brings us to a problem. Carlos et al want a fortune in front end money. They say they have $80,000 in the project and want to recapture it plus a bonus to the tune of $100,000 plus -- clearly ridiculous! This ante would not be a buy-out, just a two year payment-free work period. Longer term dealings to be negotiated later with the usual retained/carried interest. Jurgen Lau is one of their partners.

I'd recommend the usual cheap and nasty deal via a letter of intent (at the Geoscience Forum in Whitehorse??), viz: low front end money, one year geochem/spectral I.P./mapping project (to be worked out in detail). Clearly, what they're asking for is out of the question. If we can get it at our terms okay, if not, maybe some other time.

D. S. Jennings

DSJ/ck

I agree
Call her a bee al
coe with in whitehorse
in Dec
re blended plans
We should tell J. Brock
that to a terrific prop well
with $150,000 F.E, but we
are too
tied up to indulge.


CZAR 8
CZAR 6
CZAR 4
L 00
L 5 E
L 10 E
L 15 E
L 20 E
L 25 E
L 30 E
L 35 E
Base Line
00
4 S
8 S
12 S
16 S
20 S
24 S
28 S
CZAR 7
CZAR 5
CZAR 3
300
1000
3000
LFC-78-1
LFC-78-2
LFC-78-3
LFC-78-4
LFC-78-5
LEACH 57
LEACH 58
LEACH 59
LEACH 60
LEACH 61
LEACH 62
No.1
LEACH 59 & 60
N
LEGEND
LFC-78-2 DRILL HOLE
300 GEOCHEMICAL CONTOUR WITH VALUE FOR ZINC IN P.P.M.
RESIDUAL GRAVITY HIGH
CLAIM POST
DUPONT EXPLORATION CANADA
TENAS CREEK JOINT VENTURE
COMPILATION MAP
LEACH, FAULT, CZAR CLAIMS
WEASEL LAKE AREA, YUKON TERRITORY
1 :
0
SCALE
500 250 0 500
1 INCH = 500 FEET
DATA BY : D.A.B.
DATE : 78 09 20
DRAWN BY : K.L.J.
DATE : 78 09 20
REVISED :
N.T.S. No. : 105 G 14
ACCT No. : 326-05
DRWG. No. : T. 78-39

DRILL HOLE RECORD

DU PONT OF CANADA EXPLORATION LIMITED

DRILLED BY: BBS Drilling - Allen Carlos and Glen Harris
DRILL TYPE: BBS-1 Lycoming-Hydraulic
CLAIM: CZAR 5
LATITUDE: L 20E (feet)
ELEVATION: 990.02 m
HOLE STARTED: 78 09 02
LENGTH: 70.71 m
DIP: -90°
DEPARTURE: 8S (feet)
AZIMUTH:
HOLE COMPLETED: 78 09 06

ACID &/OR TRO-PARI TESTS

DEPTH	DIP	AZIMUTH	DEPTH	DIP	AZIMUTH

SHEET No.1 OF: 3
HOLE NUMBER: LFC 78-1
PROPERTY: LEACH-FAULT-CZAR option 105-G-14
ACCOUNT No.: 326-06
CORE SIZE: BQ
% CORE RECOVERY: ~35%
LOGGED BY: K.A. MacLean

INTERVAL (METRES)				DESCRIPTION	SAMPLE						Aqua Regia ASSAYS PPM				
							INTERVAL (METRES)								
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FROM	TO	WIDTH	RCVRY	Zn	Pb	CX Zn		
0	10.70	10.70		Overburden, sand, gravel, large boulders.											
10.70	14.93	4.23	15%	Phyllite, non-calc, grey, cren 30° to axis, fol 10° - along core.	2195						280	62	26		
14.93	16.45	1.52	0%	No recovery.											
16.45	17.53	1.08	15	Phyllite, graphitic, highly sheared, chunks.	2196						725	550	61		
17.53	19.20	1.67	37	Gouge, very graphitic, friable	2197						2750	62	75		
19.20	20.42	1.22	0	No recovery.											
20.42	22.25	1.83	25	Phyllite, graphitic, chunks and friable gouge.	2198						1350	19	90		
22.25	23.31	1.06	37	Graphitic gouge with quartz vein material, chunks.	2199						1800	27	45		
23.31	23.93	0.62	50	Phyllite, graphitic, minor quartz, friable core.	2200						700	22	66		
23.93	26.52	2.59	41	Phyllite, graphitic, 25% quartz vein material.	2201						660	27	46		
26.52	28.35	1.83	17	Phyllite, graphitic, small chunks and crumbs.	2202						675	28	43		
28.35	29.56	1.21	50	Phyllite, graphitic, very graphitic.	2203						700	17	47		
29.56	31.39	1.83	33	Phyllite, graphitic, and gouge, clayey-graphitic.	2204						1825	30	88		
31.39	32.61	1.22	50	Gouge, graphitic.	2205						1550	37	130		
32.61	34.29	1.68	54	Gouge, clayey and very graphitic.	2206						600	25	51		
34.29	35.66	1.37	33	Phyllite, graphitic friable chunks	2207						3200	43	128		
35.66	37.49	1.83	50	Gouge, graphitic, and grey phyllite and graphitic chunks.	2208						2250	30	100		
37.49	38.70	1.21	8	Phyllite, grey and graphitic.	2209						2350	51	110		

DRILL HOLE RECORD

DU PONT OF CANADA EXPLORATION LIMITED

HOLE NUMBER: LFC 78-1 SHEET NUMBER 2 OF 3

INTERVAL (METRES)				DESCRIPTION	SAMPLE						Aqua Regia ASSAYS PPM				
							INTERVAL (METRES)				ppm		CX		
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FROM	TO	WIDTH	RCVRY	Zn	Pb	Zn		
37.49	38.70	1.20	8												
38.70	39.62	0.92	100	Phyllite graphitic, reduced to small kitty litter size grains.	2210						1825	28	180		
39.62	40.54	0.92	33	Gouge, light grey, talcy.	2211						2300	28	330		
40.54	41.15	0.61	15	Gouge, light grey talcy.	2213						2000	30	80		
41.15	43.13	1.90	0	No recovery, blocks @ 41.75, 42.37, 43.13											
43.13	44.81	1.68	36	Gouge	2212						2050	35	90		
44.81	45.72	0.91	27	Phyllite, grey, non calcareous, chunky core.	2214						3750	40	95		
45.72	47.85	2.13	29	Phyllite, graphitic, foliated and friable, 45°fol.	2215						260	25	26		
47.85	49.38	1.53	40	Phyllite, grey, non calc, talcy.	2216						800	22	105		
49.38	50.90	1.52	50	Phyllite, grey non calc to 49.53, then graphitic mud, friable.	2217 2219						475 175	20 22	35 22		
50.90	51.82	0.92	5	Phyllite, grey non calc, friable occ graphitic	2220						550	65			
51.82	52.58	0.76	53	Phyllite, grey friable non calc, 1mm py xtals 10%, gouge chips	2221						200	346			
52.58	53.65	1.07	44	Phyllite, grey, non calc, sheared, gouge	2222						100	113			
53.65	55.78	2.13	12	Phyllite, grey, non calc, occ 2 mm py cubes, 10% gouge	2226						50	75			
55.78	56.54	0.86	34	Phyllite, grey, non calc, fol and gouge, harder @ end entry	2223						205	205			
56.54	58.52	1.98	32	Phyllite, grey, non calc, 55° discs, rare 1 mm carb str, a few chips.	2224						30	90			
58.52	59.13	0.61	12	Phyllite, grey, non calc, non cren, minor py fine dissem, 30°, fair core, minor graphite	2225						100	50			
59.13	60.05	0.92	0	No recovery											
60.05	61.87	1.83	23	Phyllite, non calcareous, very slight cren, thinly laminated	2227						20	25			
61.87	63.09	1.22	6	Phyllite, grey, very minor graph, chunks.	2228						20	50			
63.09	64.00	0.91	50	Phyllite, grey, thinly lam non calc, occ. py rich lam, 1 mm, 65°, x-cutting 1 mm qtz, good cren.	2229						20	25			

DOR. 77.8

DRILL HOLE RECORD

DU PONT OF CANADA EXPLORATION LIMITED

HOLE NUMBER: LFC 78-1 SHEET NUMBER 3 OF 3

INTERVAL (METRES)				DESCRIPTION	SAMPLE						Aqua Regia ASSAYS PPM				
							INTERVAL (METRES)				ppm				
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FROM	TO	WIDTH	RCVRY	Zn	Pb	CX Zn		
64.00	66.14	2.14	15	Phyllite, grey, vague cren	2230						15	27			
66.14	67.67	1.53	45	Phyllite, grey, fol 80° but bedding is vis @ 80° to fol, 10% py	2231						15	25			
67.67	70.71	3.04	5	Phyllite, grey, non calc, chips and broken core	2232						20	15			
70.71				Foot of hole.											
				Notes											
				1. Sheared graphitic phyllite to 51.82, then grey non calc phyll.											
				2. Bedding/foliation angle of 80° @ 67.67 m, 70° @ 59.0 m.											
				3. Hole squeezing @ 70 m.											
				4. Core recovery 30% in very difficult ground.											
				5. Sample intervals were taken between driller's blocks.											

DOX. 77.8

DRILL HOLE RECORD

DU PONT OF CANADA EXPLORATION LIMITED

DRILLED BY: BBS Drilling - Allen Carlos and Glen Harris
DRILL TYPE: BBS-1 Lycoming hydraulic
CLAIM: LEACH 61
LATITUDE: 20E (feet)
ELEVATION: 971.30 m
HOLE STARTED: 78 09 08
LENGTH: 61.59 m
DIP: -90°
DEPARTURE: 18S(feet) Geoph-Geochem grid
AZIMUTH:
HOLE COMPLETED: 78 09 10

ACID &/OR TRO-PARI TESTS

DEPTH	DIP	AZIMUTH	DEPTH	DIP	AZIMUTH

SHEET No.1 OF: 2
HOLE NUMBER: LFC 78-2
PROPERTY: LEACH-FAULT-CZAR option 105-G-14
ACCOUNT No.: 326-06
CORE SIZE: BQ
% CORE RECOVERY: 30%
LOGGED BY: K.A. MacLean

INTERVAL (METRES)				DESCRIPTION	SAMPLE						Aqua Regia ASSAYS PPM				
							INTERVAL (METRES)				ppm				
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FROM	TO	WIDTH	RCVRY	Zn	Pb			
0	16.46	16.46		Overburden, sand, gravel, boulders of red chert, gran volc fg, hem strks											
16.46	17.37	0.91	17	Phyllite, graphitic, angles along core, foliated, chunks	2234						220	20			
17.37	19.20	1.83	40	Phyllite, graphitic, 30° fol, occ fine quartz veins	2235						1550	40			
19.20	20.42	1.22	57	Phyllite, graphitic sheared	2236						550	35			
20.42	22.25	1.83	46	Phyllite, graphitic fine 1-2 mm qv network, good core in part, 30° fol, 20-50% quartz	2237						1750	35			
22.25	23.47	1.22	20	Phyllite, graphitic, 25% fine quartz, mainly small chunks, 10% py	2238						2000	25			
23.47	25.30	1.83	32	Phyllite, graphitic, finely laminated foliation, 70°, occ qv 5mm friable core and chunks	2239						450	27			
25.30	26.52	1.22	49	Phyllite graphitic, sheared, fine quartz rich laminations	2240						35	22			
26.52	28.34	1.84	26	Phyllite, graphitic, sheared, occ chunks quartz vein material, 50% gouge	2241						20	22			
28.34	29.57	1.23	0	No recovery											
29.57	31.39	1.82	25	Phyllite graphitic, 20 cm qv, chunks	2242						200	25			
31.39	32.31	0.92	54	Phyllite graphitic, sheared, 75% gouge remainder chunks	2243						220	25			
32.31	33.83	1.52	39	Phyllite graphitic, foliated 60°											
33.83	35.05	1.22	8	Phyllite, graphitic foliated chunks at start, then gouge	2244						365	20			

DOX. 77.2

DRILL HOLE RECORD

DU PONT OF CANADA EXPLORATION LIMITED

HOLE NUMBER: LFC 78-2 SHEET NUMBER 2 OF 2

INTERVAL (METRES) FROM	TO	WIDTH	RCVRY	DESCRIPTION	SAMPLE NUMBER	% SULFIDES	INTERVAL (METRES) FROM	TO	WIDTH	RCVRY	Aqua Regia ASSAYS PPM Zn ppm	Pb ppm
35.05	37.19	2.14	15	Phyllite, graphitic 80% gouge	2245						137	15
37.19	38.71	1.52	29	Gouge, graphitic	2246						365	27
38.71	39.62	0.91	44	Gouge, graphitic	2247						250	40
39.62	40.54	0.92	65	Gouge, graphitic							145	23
40.54	41.76	1.22	10	Phyllite, graphitic 85° fol							150	27
41.76	43.59	1.83	13	Gouge, graphitic, occ phyllitic graph chunks							190	28
43.59	44.81	1.22	44	Gouge graphitic							445	27
44.81	46.63	1.83	21	Gouge, graphitic							335	50
46.63	47.85	1.22	32	Gouge, graphitic							810	35
47.85	49.68	1.83	19	Gouge, graphitic							715	17
49.68	50.90	1.22	31	Gouge, graphitic, a few phyllite, graphitic, foliated chunks							980	28
50.90	52.73	1.83	20	Phyllite, graphitic, foliated, 80°							460	17
52.73	53.95	1.22	21	Phyllite, graphitic, foliated, 80°							380	13
53.95	55.78	1.83	25	Phyllite graphitic, small chunks							265	10
55.78	57.00	1.22	14	Phyllite, grey, 1 mm white quartz veinlets, massive							115	6
57.00	58.83	1.83	8	Phyllite, graphitic, chunks and gouge							385	22
58.83	60.05	1.22	9	Phyllite, graphitic, chunks and gouge							465	25
60.06	61.47	1.52	7	Phyllite, graphitic, foliated								
	61.47			Foot of hole.								
				Note:								
				Samples taken between drillers blocks.								
				After bag No. 2247, sample numbers became actual intervals								
				between drillers blocks.								

DOX. 77.3

DRILL HOLE RECORD

DU PONT OF CANADA EXPLORATION LIMITED

DRILLED BY: BBS Drilling - Allen Carlos and Glen Harris
DRILL TYPE: BBS-1 Lycoming-Hydraulic
CLAIM: LEACH 59
LATITUDE: 15E (feet)
ELEVATION: 961.72 m
HOLE STARTED: 78 09 12
LENGTH: 72.70 m
DIP: -90°
DEPARTURE: 23.5S(feet) (Geochem grid)
AZIMUTH:
HOLE COMPLETED: 78 09 16

ACID &/OR TRO-PARI TESTS

DEPTH	DIP	AZIMUTH	DEPTH	DIP	AZIMUTH

SHEET No.1 OF: 3
HOLE NUMBER: LFC 78-3
PROPERTY: LEACH-FAULT-CZAR option 105-G-14
ACCOUNT No.: 326-06
CORE SIZE: BQ
% CORE RECOVERY:
LOGGED BY: K.A. MacLean

INTERVAL (METRES) FROM	TO	WIDTH	RCVRY	DESCRIPTION	SAMPLE NUMBER	% SULFIDES	INTERVAL (METRES) FROM	TO	WIDTH	RCVRY	ASSAYS PPM Zn	Pb		Assay %Zn	
0	20.73	20.73		Overburden.											
20.73	21.03	0.30	23	Phyllite graphitic, 10% fine brassy py, f.2 foliation incipient,											
				clear f.1 80°							50	71			
21.03	22.25	1.22	41	Phyllite, graphitic, slightly foliated, mainly massive							1240	16			
22.25	23.47	1.22	30	Phyllite, grey and 50% graphitic, 15% py chunky							1400	18			
23.47	24.99	1.52	30	Phyllite, graphitic 50%, 25% py diss 5 cm quartz vein white at											
				start.							1400	17			
24.99	26.52	1.53	48	Phyllite, graphitic 50%, ¼ developed f2 foliation @ 80° to											
				bedding @ 90°.							2600	27			
26.52	28.04	1.52	29	Phyllite, graphitic 50%, sparkling fracture surfaces, poss some											
				clear yellow sph, 10 cm section gouge							4800	27			
28.04	30.78	2.74	17	Phyllite, graphitic 30%, grey, one 1 cm white quartz vein							735	16			
30.78	32.61	1.83	55	Phyllite, graphitic, foliation along core to 20°, no vis bedding							52	10			
32.61	34.14	1.53	22	Gouge, graphitic							3100	35			
34.14	35.66	1.52	9	Phyllite, graphite 50%, chunks, poss some fine py							920	7			
35.66	37.19	1.53	16	Phyllite, graphitic, gouge and a few chunks							4000	30		0.69	
37.19	38.71	1.53	26	Gouge, graphitic, occ chunks graphitic phyllite							G20,000	46		2.62	
38.71	40.23	1.53	26	Gouge, graphitic, 25% chunks							820	17			

DOX. 77.2

DRILL HOLE RECORD

DU PONT OF CANADA EXPLORATION LIMITED

HOLE NUMBER: LFC 78-3 SHEET NUMBER 2 OF 3

INTERVAL (METRES)				DESCRIPTION	SAMPLE						Aqua Regia ASSAYS PPM				
							INTERVAL (METRES)								
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FROM	TO	WIDTH	RCVRY	Zn	Pb			
40.23	41.45	1.22	68	Gouge, graphitic							2100	48			
41.45	42.67	1.22	68	Gouge, graphitic							2000	45			
42.67	43.74	1.07	54	Gouge graphitic, foliation weakly apparent 65°							3600 2600	62 45			
43.74	44.81	1.07	49	Gouge graphitic							840	29			
44.81	46.33	1.52	12	Phyllite, graphitic 30%, chunks							900	20			
46.33	47.85	1.52	30	Phyllite graphitic 50%, chunks and some gouge							860	23			
47.85	49.99	2.14	26	Phyllite, graphitic 75%, some gouge 25%							1400	43			
49.99	50.90	0.91	10	Phyllite, graphitic 80%, 2 cm white quartz vein							690	17			
50.90	52.43	1.53	10	Phyllite, graphitic 80%							138	11			
52.43	53.19	1.53	15	Phyllite graphitic, foliated, 15% fine py							820	25			
53.19	53.95	0.76	50	Phyllite, grey, massive, 1 mm fract-fillings fine py, silicic,											
				1 cm quartz vein with graphitic breccia fragments to 2 cm 0.3 m											
				good core							1020	11			
53.95	54.41	0.46	0	No recovery											
54.41	55.48	1.07	31	Quartz vein, massive, a few graphitic fragments							340	7			
55.48	55.78	0.30	40	Phyllite, grey, as @ 53.95							330	10			
55.78	56.39	0.61	50	Phyllite, grey, sheared and leached bedding, parallel to foliation											
				80° graphitic sections							2000	15			
56.39	57.00	0.61	85	Phyllite grey, fairly massive with occ hly sheared sects fol 35°,											
				bedding along core with incipient f2 diss py s sml ff 20%							810	8			
57.00	58.52	1.52	0	No recovery											
58.52	60.05	1.53	35	Graphitic gouge							960	27			
60.05	61.72	1.67	40	Graphitic gouge							1400	33			
61.72	63.09	1.37	23	Graphitic gouge							1040	11			

DOX. 77.3

DRILL HOLE RECORD

DU PONT OF CANADA EXPLORATION LIMITED

HOLE NUMBER: LFC 78-3 SHEET NUMBER 3 OF 3

INTERVAL (METRES)				DESCRIPTION	SAMPLE						ASSAYS PPM				
							INTERVAL (METRES)								
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	FROM	TO	WIDTH	RCVRY	Zn	Pb			
63.09	64.62	1.53	35	Graphitic gouge and phyllite, graphitic 75% 20% white qv or qtz											
				bx matrix prom 3 mm patches py in qv.							1220	23			
64.62	66.14	1.52	22	Phyllite, graphitic 50% and graphitic gouge.							1200	16			
66.14	66.90	0.76	5	Quartz vein white											
66.90	67.97	1.07	18	Quartz vein white, and graphitic gouge							55	8			
67.97	69.19	1.22	29	Quartz vein white and phyllite, graphite 75% hly fol							340	31			
69.19	71.02	1.22	29	Gouge, graphitic, 35%, greyish, 3 cm cqv at start							260	29			
71.02	71.63	0.61	54	Gouge, graphitic and qtz v, 35% py							820	40			
71.63	72.79	1.16	19	Qtz vein white, massive/ct phyllite grey, looks like weak bx or											
				tuff with inter-fragmental py, strong py on sludge							98	35			
	72.70			Foot of hole.											

DOX. 77.3

DRILL HOLE RECORD

DU PONT OF CANADA EXPLORATION LIMITED

DRILLED BY: BBS Drilling - Allen Carlos and Glen Harris
DRILL TYPE: BBS-1 Hydraulic diesel LENGTH: 35.66 m
CLAIM: LEACH 61 DIP: 90°
LATITUDE: L 20E (Geochem grid) DEPARTURE: 1200 S (feet)
ELEVATION: 983.78 m AZIMUTH:
HOLE STARTED: 78 09 18 HOLE COMPLETED: 78 09 21

ACID &/OR TRO-PARI TESTS					
DEPTH	DIP	AZIMUTH	DEPTH	DIP	AZIMUTH

SHEET No.1 OF: 2
HOLE NUMBER: LFC 78-4
PROPERTY: LEACH-FAULT-CZAR option 105-G-14
ACCOUNT No.: 326-06
CORE SIZE: BQ
% CORE RECOVERY: 3% to 43%
LOGGED BY: K. A. MacLean

INTERVAL (METRES)				DESCRIPTION	SAMPLE						ASSAYS PPM				
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	INTERVAL (METRES) FROM	TO	WIDTH	RCVRY	Zn	Pb			
0	14.32	14.32		Overburden, start of core at 14.32											
14.32	15.85	1.53	10	Phyllite, grey, 10% graphite, 10% coarse grained euhedral py,											
				part of a quartz vein, chunks							110	40			
15.85	17.06	1.21	38	Quartz vein, white, occ graphitic streaks, chunks and half											
				cylinder core sections							200	22			
17.06	18.90	1.84	30	Phyllite, graphitic 95%, one 1 cm quartz vein, white, thinly											
				laminated 45° fl?, occ 1 mm xtal py, soft, occ white powdery											
				streaks and smears.							80	70			
18.90	20.42	1.52	31	Phyllite, graphitic, gougey material probably crushed during											
				coring, very weak foliation, occ py xtal visible, gouge and											
				small chunks							1900	50			
20.42	21.94	1.52	15	Phyllite, graphitic 95%, as at 18.90.							3000	39			
21.94	23.47	1.53	43	Phyllite graphitic, 75%, thin bedded uncontorted fl @ 45°, 1 mm,											
				xcut @ 60° to C.A. by 1 mm silicic veinlets, mostly chunks,											
				remainder gouge.							1100	32			
23.47	25.00	1.53	29	Phyllite graphitic 75%, prom 1 mm bedded fl with incipient f2 @											
				90°, 10-15% py in chunks							340	22			

DRILL HOLE RECORD

DU PONT OF CANADA EXPLORATION LIMITED

HOLE NUMBER: LFC 78-4 SHEET NUMBER 2 OF 2

INTERVAL (METRES)				DESCRIPTION	SAMPLE						ASSAYS PPM				
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	INTERVAL (METRES) FROM	TO	WIDTH	RCVRY	Zn	Pb			
25.00	26.52	1.52	17	Phyllite graphitic, 85% f1 @ 45°, incipient f2 about 90°,											
				specimens retained. 5% py.							1230	27			
26.52	28.04	1.52	26	Phyllite graphitic 85% thinly laminated f1 @ 45° - 60° and											
				incipient f2 @ 90° to f1.							970	20			
28.04	29.56	1.52	11	Phyllite graphitic, 95%, 5% fg py, f1 along core to contorted;											
				mainly chunks.							325	20			
29.56	31.08	1.52	8	Same as at 29.56, chunks.							330	18			
31.08	32.61	1.53	4	Gouge, mud, poor recovery suspect py 10% very fine.							95	30			
32.61	35.66	3.05	3	Gouge, mud, one 1 cm frag, friable gouge.							240	30			
	35.66			Foot of hole.											
				Notes:											
				1. Samples taken between drillers blocks.											
				2. Hole abandoned at 35.66 due to ground squeezing and											
				subsequent danger of sticking the rods.											
				3. Most of hole was in graphite phyllite unit.											

DOX. 77.3

DRILL HOLE RECORD

DU PONT OF CANADA EXPLORATION LIMITED

DRILLED BY: BBS Drilling - A. Carlos and G. Harris
DRILL TYPE: BBS-1 Diesel Hydraulic
CLAIM: CZAR 7
LATITUDE: 00 (feet, Geochem grid)
ELEVATION: 980.31 m
HOLE STARTED: 78 09 23
LENGTH: 64.31 m
DIP: 90°
DEPARTURE: 10 S (ft) (Geochem grid)
AZIMUTH:
HOLE COMPLETED: 78 09 25

ACID &/OR TRO-PARI TESTS

DEPTH	DIP	AZIMUTH	DEPTH	DIP	AZIMUTH

SHEET No.1 OF: 3
HOLE NUMBER: LFC 78-5
PROPERTY: LEACH-FAULT-CZAR option
ACCOUNT No.: 326-06
CORE SIZE: BQ
% CORE RECOVERY: 70%
LOGGED BY: K. A. MacLean

INTERVAL (METRES)				DESCRIPTION	SAMPLE						ASSAYS				
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	INTERVAL (METRES) FROM	TO	WIDTH	RCVRY					
0	12.80	12.80	-	Overburden											
12.80	14.23	1.52	45	Phyllite,?, grey, vfg with occ dark grey beds, more properly a											
				shale as phyllitization not developed. Bedding angles 20° to 5°.											
				Occ shiny fract surfaces prob chloritoid.											
14.32	17.07	2.75	55	Phyllite, graphitic, sheared. Bx zone with quartz and prom											
				coarse pyrite and graphite bx frags.											
17.07	17.53	0.46	30	Gouge, sheared soft fg thinly laminated chloritic phyllite, fol											
				@ 30°, occ 2 mm py xtals.											
17.53	21.03	3.50	95	Phyllite chloritic, tuffaceous, med green, f-mg, prom fl @ 40-45°											
				slightly contorted, obvious compositional layering (dark grey/											
				siliceous light grey/occ 15% py), occ diffuse dk grey-blk strks											
				(graph?) loc sheared 10 cm qtz vein (conformable) @ 21.03 and											
				20.42, good core.											
21.03	25.91	4.88	95	Phyllite, chloritic, tuffaceous, green m-cg, 45° fl, num 1 cm											
				vaguely outlined frags, occ dk grey graph-chloritoid strks inter-											
				fingering, a few sharply outlined frags in sections 20 cm long,											
				grades back into fg tuffaceous phyllite at end of entry.											

DOX. 77.2

DRILL HOLE RECORD

DU PONT OF CANADA EXPLORATION LIMITED

HOLE NUMBER: LFC 78-5 SHEET NUMBER 2 OF 3

INTERVAL (METRES)				DESCRIPTION	SAMPLE						ASSAYS				
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	INTERVAL (METRES) FROM	TO	WIDTH	RCVRY					
25.91	26.52	0.61	95	Phyllite, graphitic, f1 @ 90° f2 @ 80° to f1, black with occ 2 cm											
				qtz vein.											
26.52	29.87	3.35	75	Gouge, plastic, phyllite, green chloritic, slightly foliated and											
				sheared, f2 50°, occ 80 mm graphite rich sections and occ crushed											
				white qtz vein.											
29.87	46.02	16.15	25	Gouge, plastic, graphitic black, retains some foliation @ 60°.											
46.02	46.79	0.77	25	Gouge, green, phyllite, chloritic, altered occ prom 2 mm py.											
46.79	48.46	1.67	70	Phyllite, chloritic, tuffaceous, green, fine tuff and occ large											
				frags, not a flow.											
48.46	50.13	1.67	53	Phyllite, graphitic, f1 @ 85°, incipient f2 @ 80° to f1, occ											
				greyish beds to 15 cm long at end of entry.											
50.13	50.90	0.77	68	Phyllite, graphitic, 75% graphite, chunky.											
50.90	51.66	0.76	90	Phyllite, graphitic, 75% graphite, chunks and part core.											
51.66	53.95	2.29	79	Phyllite, graphite, 50% graphite, prom f1 bedding marked by white											
				and pale green laminations, some green beds contain visible tuff											
				frags.											
53.95	56.39	2.44	60	Breccia zone, phyllite grey sheared and recemented with quartz											
				as matrix, and veins to 80 mm.											
56.39	59.74	3.35	50	Phyllite, chloritic and tuffaceous, 1-2 cm frags outlined by											
				dark grey material, slightly bx'd at end of entry.											
59.74	60.96	1.22	75	Phyllite, graphitic, f2 gently contorted, graphitic slip planes,											
				occ siliceous beds and stretched fragments.											
60.96	64.31	3.35	100	Phyllite, chloritic, fg, tuffaceous, med green, good core											
				Specimen 5-207.											

DRILL HOLE RECORD

DU PONT OF CANADA EXPLORATION LIMITED

HOLE NUMBER: LFC 78-5 SHEET NUMBER 3 OF 3

INTERVAL (METRES)				DESCRIPTION	SAMPLE						ASSAYS				
FROM	TO	WIDTH	RCVRY		NUMBER	% SULFIDES	INTERVAL (METRES) FROM	TO	WIDTH	RCVRY					
				Notes:											
				1. The hole passes through a se quence of inter-fingering											
				sediments containing a high volcanic tuff component,											
				and graphitic muds which are sheared.											
				2. No samples were taken for analysis. Specimens were retained											
				for later study.											

BES 001378

BONDAR-CLEGG & COMPANY LTD.

764 BELFAST ROAD, OTTAWA, ONTARIO, K1G 0Z5 PHONE: 237-3110
Branch: 136B Industrial Rd., Whitehorse, Y.T.

Geochemical Lab Report

Extraction Pb, Zn, Cold Zinc Extraction
Report No. 48-195
Method A.A.
From Dupont
Fraction Used -100 ^ocks
Date September 18, 19 78

LFC 78-1

SAMPLE NO.	Pb ppm	Zn ppm	Cold ex Zn ppm		SAMPLE NO.
2195	62	280	26		10.70 - 14.93
96	550	725	61		16.45 - 17.53
97	62	2750	75		- 19.20
98	19	1350	90		20.42 - 22.25
99	27	1800	45		- 23.31
200	22	700	66		- 23.93
01	27	660	46		- 26.52
02	28	675	43		- 28.35
03	17	700	47		- 29.56
04	30	1825	88		- 31.39
05	37	1550	130		32.61
06	25	600	51		34.29
07	43	3200	128		35.66
08	30	2250	100		37.49
09	51	2350	110		38.70
10	28	1825	180		39.62
11	28	2300	330		40.54
12	35	2050	90		43.13 - 44.81
13	30	2000	80		40.54 - 41.15
14	40	3750	95		44.81 - 45.72
15	25	260	26		- 47.85
16	22	800	105		49.38
17	20	475	35		49.38 - 50.90
2219	22	175	22		

→ KM-1
SEP 25 1978

BONDAR-CLEGG & COMPANY LTD.

764 BELFAST ROAD, OTTAWA, ONTARIO, K1G 0Z5 PHONE: 237-3110
Branch: 136B Industrial Rd., Whitehorse, Y.T.

Geochemical Lab Report

Extraction Pb, Zn — Report No. 48-204

Method A.A. — From Dupont

Fraction Used -100 Rocks — Date September 21, 19 78

LFC 78-1

SAMPLE NO.	Pb* ppm	Zn ppm			SAMPLE NO.				
2220	65	550			M 50.90 - 51.82				
21	346	200			52.58				
22	113	100			53.65				
23	75	50			55.78 - 56.54				
24	205	205			56.91 - 58.52				
25	90	30			- 59.13				
26	50	100			53.65 - 55.78				
27	25	20			60.05 - 61.87				
28	50	22			- 63.09				
29	25	20			64.00				
30	27	15			66.14				
31	25	15			67.67				
2232	15	20			70.71				
2234	20	220			16.46 - 17.37				
35	40	1550			19.20				
36	35	550			20.42				
37	35	1780			22.25				
38	25	2000			23.47				
39	27	450			25.30				
40	22	35			26.52				
41	22	20			28.34				
42	25	200			29.57 - 31.35				
43	25	220			32.31				
44	20	365			35.05				
45	15	137			37.19				
46	27	365			38.71				
2247	40	250			39.62				

OCT - 2

BONDAR-CLEGG & COMPANY LTD.

764 BELFAST ROAD, OTTAWA, ONTARIO, K1G 0Z5 PHONE: 237-3110
Branch: 136B Industrial Rd., Whitehorse, Y.T.

Geochemical Lab Report

Extraction Pb, Zn
Method A.A.
Fraction Used

Report No. 48-215
From Dupont of Canada Exploration Ltd.
Date September 27, 1978 19

LFC 78-2

SAMPLE NO. (Metres) (Feet)		Pb* ppm	Zn ppm	SAMPLE NO.
78-2				
130-133	39.62 – 40.54	23	145	
133-137	40.54 – 41.75	27	150	
137-143	43.59	28	190	
143-147	44.80	27	445	
147-153	46.63	50	335	
153-157	47.85	35	810	
157-163	49.68	17	715	
163-167	50.90	28	980	
167-173	52.73	17	460	
173-177	53.94	13	380	
177-183	55.78	10	265	
183-187	57.00	6	115	
187-193	58.82	22	385	
193-197	60.04	25	465	
78-3				
68-69	20.72 – 21.03	71	50	
69-73	22.25	16	1240	
73-77	23.47	18	1400	
77-82	24.99	17	1400	
82-87	26.52	27	2600	
87-92	28.04	27	4800	
97-101	30.78	16	735	
101-107	32.61	10	52	
107-112	34.14	35	3100	
112-117	35.66	7	920	
117-122	37.19	30	4000	
122-127	38.70	46	G20,000	
127-132	40.23	17	820	
132-136	40.23 – 41.45	48	2100	
136-137	41.45 – 41.76	45	2000	G: Greater than

0-16

OCT - 2

BONDAR-CLEGG & COMPANY LTD.

764 BELFAST ROAD, OTTAWA, ONTARIO, K1G 0Z5 PHONE: 237-3110
Branch: 136B Industrial Rd., Whitehorse, Y.T.

Geochemical Lab Report

Extraction Pb, Zn — Report No. 48-216

Method A.A. — From DuPont of Canada Exploration

Fraction Used - 100 rocks — Date September 28 19 78

SAMPLE NO.	M	Pb* ppm	Zn ppm		SAMPLE NO.				
TB-3 (cont)	41.76								
137-140	42.67	62	3600						
140-143.5	43.74	45	2600						
143.5-147	44.81	29	840						
147-152	46.52	20	900						
152-157	47.85	23	860						
157-164	49.99	43	1400						
164-167	50.90	17	690						
167-172	52.43	11	138						
172-174.5	53.04	25	820						
174.5-177	53.95	11	1020						
177-182	55.47	7	340						
182-183	55.78	10	330						
183-135	56.39	15	2000						
185-187	57.00	8	810						
192-197	60.04	27	960						
197-202.5	61.72	33	1400						
202.5-207	63	11	1040						
207-212	64.6	23	1220						
212-217	66.94	16	1200						
219.5-223	67.97	8	55						
223-227	69.19	31	340						
227-233	71.02	29	260						
233-235	71.63	40	820						
235-238.5	72.70	35	98						

*Background Correction

OCT 10 1978

BONDAR-CLEGG & COMPANY LTD.

764 BELFAST ROAD, OTTAWA, ONTARIO K1G 0Z5 PHONE: 237-3110
Branch: 136B Industrial Rd., Whitehorse, Y.T.

Geochemical Lab Report

Extraction Pb, Zn
Method A.A.
Fraction Used - 100 rocks

Report No. 48-219
From DuPont of Canada Ltd.
Date October 3, 19 78

SAMPLE NO.	(ft) (feet)	ppm Pb*	ppm Zn		SAMPLE NO.				
TB-4 47-52	14.32 15.85	40	110						
52-56	17.07	23	200						
56-62	18.90	70	80						
62-67	20.42	50	1900						
67-72	21.95	39	3000						
72-77	23.47	32	1100						
77-82	24.99	22	340						
82-87	26.52	27	1230						
87-92	28.04	20	970						
92-97	29.56	20	325						
97-102	31.09	18	330						
102-107	32.61	30	95						
4 107-117	35.66	30	240						

C. A. AGER & ASSOCIATES LTD.

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GRAVITY AND E M SURVEY

LEACH - FAULT - CZAR CLAIMS

SUMMARY

This report presents the results of the gravity and EM survey work over the Leach-Fault-Czar claims, Pelly Banks area, Yukon Territory. The EM work indicates that the rock units underlying the survey area are highly conductive which implies graphite ± sulphides. The gravity outlined four small amplitude gravity high residuals which form an arcuate feature around the central zone of high conductivity. The correlation of gravity, EM and Zn geochemical results indicates that diamond drilling is warranted. Six drill holes are recommended with co-ordinates and depths given in this report.

Respectfully submitted,

Charles A. Ager

Charles A. Ager, PhD, PEng

Geophysicist

July 25, 1978

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LOCATION, DATE OF WORK, CREW

Location: Leach 17-18, Leach 57-63, Czar 3-8 Claims

Watson Lake Mining District

Pelly Banks Area, Yukon Territory

NTS 105G/14

61°54.2' N Lat by 131°20' W Long

Date of Work:

Field Work; April 1-April 8, 1978
June 5 - June 8, 1978

Office Work; July 1 -July 25,1978

Crew: J.G. Ager, BSc, party chief (gravity)

R.J. Englund, BSc, party chief (CEM)

A. Dryver, geophysical operator

J. Sheldon, field assistant

L. Grant, field assistant

M. Faucher, field assistant

G. Ager, cook

C.A.Ager, PhD,PEng, data interpreter

INTRODUCTION

At the request of Mr Sandy MacLean, DuPont of Canada Exploration Ltd, an exploratory gravity and EM survey were conducted over a part of the Leach-Fault-Czar Claims, Pelly Banks area, Yukon Territory. The intent of the geophysical work was to delineate areas of excess mass and conductivity which may indicate the presence of massive Pb-Zn mineralization within the underlying phyllitic (?) units. The grid was centered over a previously discovered Zn soil geochemical anomaly (Ikona and Stammers, 1977).

The property is situated some 13 kilometers (8 miles) northwest of Pelly Banks, on the north side of the Pelly River, Yukon Territory (Figures 1 and 2). The geographic co-ordinates of the center of the survey area are 61°54.2' N Latitude by 131°20' W Longitude. The grid is located on the southern slope of a small hill at elevation ranging between 3100 - 3400 feet (945-1035 meters). Access is by winter road from the Campbell Highway on the west side of Big Campbell Creek, or by helicopter from Ross River, Y.T.

INSTRUMENTATION & SURVEY PROCEDURE

Gravity observations were made using a LaCoste & Romberg Model G gravity meter (serial number G209) with reading accuracy of ±0.01 mgals. All gravity readings were within the dial range 5100-5200 for which the dial constant is 1.06062 mgals/division. Instrument and diurnal drift were accounted for by tying into known base stations within three hour intervals.

FIG. 1

LOCATION MAP	
LEACH-FAULT-CZAR CLAIMS AREA	
DATE : JULY, 1978	C·A·AGER & ASSOC· Surrey B·C· Canada

FIG. 2

SCALE 1:50,000

Gravity stations were located at 30 and 60 meter (100 and 200 ft) intervals along lines spaced 150 meters (500 ft) apart as shown on Figure 3. Elevations were measured to the top of pickets at ground level using an electronic level developed by Ager & Associates Ltd. Relative elevations are considered accurate to ±0.03 meters (±0.10 ft) between stations. The elevation reference for the survey was station L35E+30S. It was assigned the value 3160.00 ft (963.16 meters) as picked from 1:50,000 NTS map sheet 105G/14. The elevations so determined for the survey grid are relative to this base value (Figure 3).

The gravity survey is referenced to a permanent base station (GB78-2) located on the Pelly Banks Syndicate ground some 6 miles east-southeast of the property. The station is marked by a four foot high post located on the east side of the access road on the west bank of the Pelly River at Slate-Reno grid co-ordinates BL0+550E. The temporary base used for the Leach-Fault-Czar grid is the base of the claim post at station L35E+30S. The absolute value of gravity for the permanent base (GB78-2) was determined by ex-centre tyes to the National Network station at Whitehorse, Y.T. A complete listing of the data is given in Appendix A.

An electromagnetic (EM) survey was conducted over the same grid using the Crone shootback system in the horizontal loop mode of operation. Coil spacing was 400 feet (120 meters) with station intervals of 30-60 meters. The medium frequency of 1830 hz was used for the whole grid. Detailing of some anomalies were done

using high (5010 hz) and low (390 hz) frequencies and coil separations of 200, 400 and 600 feet (60, 120 and 180 meters). The resultant dip angles were determined by summing the shootback responses with vertical being 0°. (Refer to Appendix B for a listing of results).

DATA REDUCTION

As is well known, the observed gravity values (g_O) contain much information of non-interest in mining exploration. Simply stated, the problem is to separate the effects of the earth (g_E) from the observed gravity field. The map of interest, the Complete Bouguer Gravity Map (Δg_{CB}) is defined as follows:

$$\Delta g_{CB} = g_O - g_E \qquad (1)$$

where

$$g_E = g_L + g_{FA} + g_{BS} + g_T \qquad (2)$$

g_L: Latitude effect

g_{FA}: Free Air effect

g_{BS}: Bouguer Slab effect

g_T: Terrain effect

Using standard procedures, the Complete Bouguer Gravity Map (Figure 4) was calculated from equations 1 and 2 above. Terrain effects were calculated to a radius of 1800 feet (550 meters) about each station using computer techniques of Ager & Associates Ltd.

Bouguer slab and terrain densities were taken to be 2.80 g/cc which is the average density for phyllitic rocks within the area of the survey. The complete Bouguer gravity values are all relative to station L35E+30S which was assigned an arbitrary value of 257.86 mgals (Figure 4).

Computer and graphical techniques were used to generate the residual gravity map (Figure 5). It is this map which is most indicative of local density changes within the underlying rocks.

The CEM data is presented in profile form on Figure 6 and given in contour format on Figure 7. No additional processing was done to this data and it is interpreted directly.

INTERPRETATION OF RESULTS

The intent of the survey work was to outline gravity high anomalies within conductive environments. Inspection of the gravity and EM maps indicate the following:

1) The regional gravity field strikes east-west and has a gradient of about +0.50 mgals/1000 feet north. This is taken to indicate the general strike of the geological units underlying the survey area. In the northwestern part of the grid, the fabric of the units appears to change to a more northerly trend.
2) There are four gravity high residuals ranging in amplitude from +0.10 to +0.30 mgals. These anomalies form an arcuate trend about a zone of gravity low features of amplitudes to -0.30 mgals within the central area of the survey grid (Figure 5).

3) The EM maps indicate that essentially the whole grid overlies a very conductive host rock unit as evidenced by the very large negative dip angles of -60 to -140 degrees. It is difficult to put much importance on the two zones of apparently less conductive rock centered at about 2S on lines 10E and 30E. These features appear to be caused by a less conductive rock unit (eg. a dyke) which is dipping to the north. However, within such a highly conductive environment, there are cases where features similar to these have been caused by a near vertical high conductive source such as massive sulphides.

4) By comparing the gravity and CEM results with the Zn geochemical information further interpretations can be made (Figure 8). Here we observe that a gravity low region coincides fairly well with the high Zn geochemical data and with the very low (-100^{o}) dip angles. This indicates that the common source rock is highly conductive, is less dense than phyllites and is high in zinc. The obvious candidate is a graphitic rock unit.

5) The gravity high residuals peripherial to the 'graphitic unit' are most likely caused by a heavier rock unit overlaying the more graphitic unit. Excess masses and total tonnages associated with these features are summarized in the following table:

Anomaly Name	Co-ordinates of center	Excess Mass	Total Tonnage 3.00 g/cc rock	Total Tonnage 4.00 g/cc rock
A	L15E+23S	0.676 mt	9.46 mt	1.55 mt
B	L0+10S	0.425 mt	5.95 mt	0.98 mt
C	L35E+5S	0.200 mt	2.80 mt	0.46 mt
D	L5E+20S	0.170 mt	2.40 mt	0.39 mt

note: mt = million tons

6) Depths to center of mass for these anomalies are hard to determine due to the lack of ground truth information on the densities of the surface rocks. However, each feature appears to be within 500 feet (160 meters) of the surface.

RECOMMENDATIONS & CONCLUSIONS

Based strictly on the geophysical and geochemical data, six vertical drill holes to a minimum depth of 500 feet are recommended at the following co-ordinates for the reasons given:

Drill Hole No.	Co-ordinates	Reason
1	I20E+8S	-150° CEM conductor Zn geochem high
2	I20E+12S	Zn geochem high -100° CEM conductor
3	I20E+18S	Zn geochem high -100° CEM conductor
4	L15E+23.5S	+0.30 mgal gravity high -115° CEM conductor
5	I0+10S	+0.20 mgal gravity high -100° CEM conductor
6	L30E+2S	-20° CEM conductor flanks of +0.20 gravity high

The above holes, when drilled, will most certainly indicate the economic potential of the area surveyed. It should be kept in mind as well that the gravity high features are open to the west and to the east where further work may be warranted pending the results of the drilling.

Respectfully submitted,

Charles A. Ager, PhD, PEng

July 25, 1978

Geophysicist

REFERENCES

Ikona,C.K., Stammers,M. (1977). Geological and geochemical report on the Leach-fault mineral claims for Brendex Resources Ltd, October 1977.

CERTIFICATE OF QUALIFICATIONS

I, Charles A. Ager, do hereby certify that:

(1) I am a practising geophysicist with offices and residence at 15423 34th Avenue, Surrey, B.C., Canada.

(2) I have received the following university degrees:

(a) 1968 B.A. (Honours Math/Physics)
California State University, Sacramento, Calif.

(b) 1972 M.Sc. (Applied Geophysics)
University of B.C., Vancouver, B.C.

(c) 1975 Ph.D. (Applied Geophysics)
University of B.C., Vancouver, B.C.

(3) I am a member in good standing of the following professional organizations: (a) B.C. Geophysical Society
(b) Society of Exploration Geophysicists
(c) Association of Professional Engineers of the Province of British Columbia

(4) Since 1968 I have been engaged in exploration and mining geophysics over numerous projects in western North America and eastern Canada.

(5) The geophysical field work and the interpretation of the results in this report were done under my direct supervision.

Charles A. Ager

July 25,1978

Charles A. Ager, PhD, PEng
Geophysicist

COST STATEMENT

The following is a cost statement of expenses incurred by DuPont of Canada Exploration Ltd in regard to the gravity and CEM survey work over the Leach 17-18, Leach 57-64 and Czar 3-8 mineral claims, Pelly Banks area, Watson Lake Mining District, Yukon Territory:

Gravity Survey Costs

Elevations to ±0.03 meters
Observed gravity to ±0.01 mgals
Terrain calculations to 550 meters
Regional-residual anomaly maps
Rock density measurements
Field and final maps
Interpretation of results
Report.....

4.3 line miles (60m stations) x $550	$2354.00	
1.8 line miles (30m stations) x $750	1350.00	$3704.00

CEM Survey Costs

Horizontal loop shootback, medium frequency, 400ft coils
Anomaly detailing, high-med-low frequency, 200-600' coils
Profile and plan maps
Interpretation of results
Report.....

6.3 line miles x $300	1890.00
Total cost	$5594.00

APPENDIX A Leach-Fault-Czar Gravity Data

GB 78-2: Observed Gravity = 88.22 mgals (relative)
= 981,747.08 mgals (absolute)

Bouguer Density = 2.80 g/cc
Elevation Factor = 0.0583 mgal/ft = 0.19128 mgal/meter

Station Coord. (100's feet)	Elevation (feet)	Observed Gravity (mgal)	C.Bouguer Gravity (mgal)
L0500W 2800S	3095.38	67.98	258.99
L0500W 2600S	3101.66	67.92	259.27
L0500W 2400S	3109.20	67.72	259.49
L0500W 2200S	3119.61	67.29	259.65
L0500W 2000S	3135.97	66.45	259.73
L0500W 1800S	3150.68	65.74	259.85
L0500W 1600S	3166.35	64.92	259.91
L0500W 1400S	3186.89	63.76	259.92
L0500W 1200S	3202.67	63.07	260.10
L0500W 1000S	3215.05	62.40	260.10
L0500W 800S	3222.82	61.99	260.09
L0500W 600S	3229.36	61.56	260.02
L0500W 400S	3242.60	60.74	259.97
L0500W 200S	3258.53	59.83	259.98
L0500W 000	3278.40	58.71	259.98
L0000 2800S	3099.55	67.72	259.03
L0000 2600S	3107.84	67.35	259.11
L0000 2400S	3117.42	66.99	259.28
L0000 2200S	3130.37	66.42	259.45
L0000 2000S	3145.54	65.58	259.46
L0000 1800S	3160.77	64.93	259.66
L0000 1600S	3173.64	64.32	259.76
L0000 1400S	3189.30	63.50	259.82
L0000 1200S	3204.82	62.70	259.89
L0000 1000S	3216.25	62.23	260.04
L0000 800S	3226.59	61.60	259.98
L0000 600S	3234.49	61.04	259.86
L0000 400S	3249.04	60.20	259.86
L0000 200S	3269.50	58.98	259.83
L0000 000	3288.81	57.74	259.68
L0500E 2800S	3106.78	67.12	258.92
L0500E 2600S	3118.06	66.45	258.86
L0500E 2400S	3131.53	65.85	259.02
L0500E 2200S	3146.59	65.21	259.23
L0500E 2000S	3161.56	64.55	259.40
L0500E 1800S	3175.19	63.85	259.42
L0500E 1600S	3182.68	63.10	259.09
L0500E 1400S	3194.89	62.53	259.20
L0500E 1200S	3207.37	62.06	259.42
L0500E 1000S	3217.80	61.63	259.56
L0500E 800S	3227.23	61.13	259.60
L0500E 600S	3238.62	60.43	259.55
L0500E 400S	3255.05	59.42	259.51
L0500E 200S	3277.41	58.02	259.41
L0500E 000	3299.53	56.78	259.43
L1000E 2800S	3116.47	66.28	258.70

L1000E 2600S	3129.95	65.49	258.67
L1000E 2400S	3143.35	64.79	258.69
L1000E 2200S	3156.58	64.25	258.88
L1000E 2000S	3169.49	63.63	258.98
L1000E 1800S	3182.15	63.02	259.06
L1000E 1600S	3192.18	62.48	259.07
L1000E 1400S	3203.29	61.91	259.11
L1000E 1200S	3213.90	61.42	259.20
L1000E 1000S	3223.40	61.04	259.36
L1000E 800S	3231.56	60.66	259.43
L1000E 600S	3242.47	60.11	259.53
L1000E 400S	3258.81	59.08	259.49
L1000E 200S	3287.10	57.26	259.32
L1000E 000	3311.74	55.91	259.37
L1500E 2800S	3119.06	65.98	258.58
L1500E 2700S	3129.40	65.62	258.81
L1500E 2600S	3138.19	65.15	258.84
L1500E 2500S	3146.06	64.66	258.78
L1500E 2400S	3152.27	64.48	259.04
L1500E 2300S	3158.21	64.15	259.03
L1500E 2200S	3164.36	63.90	259.02
L1500E 2100S	3169.42	63.63	259.02
L1500E 2000S	3175.88	63.37	259.11
L1500E 1900S	3182.09	62.86	258.94
L1500E 1800S	3186.50	62.70	259.03
L1500E 1700S	3191.51	62.34	258.94
L1500E 1600S	3192.19	62.08	258.72
L1500E 1500S	3202.13	61.78	258.98
L1500E 1400S	3208.15	61.36	258.89
L1500E 1300S	3214.33	61.12	258.99
L1500E 1200S	3219.58	60.96	259.12
L1500E 1100S	3224.65	60.70	259.14
L1500E 1000S	3229.25	60.43	259.13
L1500E 900S	3234.44	60.28	259.27
L1500E 800S	3239.97	60.00	259.32
L1500E 700S	3245.75	59.65	259.31
L1500E 600S	3252.90	59.35	259.44
L1500E 500S	3262.19	58.74	259.38
L1500E 400S	3272.90	58.10	259.38
L1500E 300S	3284.63	57.48	259.46
L1500E 200S	3298.13	56.65	259.43
L1500E 100S	3311.03	55.83	259.37
L1500E 000	3325.56	55.11	259.48
L2000E 2900S	3126.67(		
L2000E 2800S	3128.22	65.29	258.44
L2000E 2700S	3131.32	65.19	258.51
L2000E 2600S	3136.51	64.96	258.57
L2000E 2500S	3142.66	64.54	258.50

L2000E 2400S	3149.83	64.45	258.81
L2000E 2300S	3158.04	63.96	258.77
L2000E 2200S	3166.11	63.46	258.72
L2000E 2100S	3170.65	63.21	258.71
L2000E 2000S	3176.90	62.87	258.71
L2000E 1900S	3181.41	62.67	258.76
L2000E 1800S	3186.67	62.41	258.79
L2000E 1700S	3192.87	62.09	258.82
L2000E 1600S	3199.95	61.65	258.79
L2000E 1500S	3207.06	61.26	258.80
L2000E 1400S	3213.06	60.91	258.78
L2000E 1300S	3220.66	60.67	258.97
L2000E 1200S	3227.62	60.29	258.97
L2000E 1100S	3232.40	60.04	258.99
L2000E 1000S	3237.47	59.77	259.00
L2000E 900S	3242.51	59.50	259.02
L2000E 800S	3248.08	59.10	258.95
L2000E 700S	3254.69	58.83	259.07
L2000E 600S	3261.53	58.27	258.93
L2000E 500S	3269.90	57.89	259.06
L2000E 400S	3283.07	57.22	259.18
L2000E 300S	3294.33	56.52	259.16
L2000E 200S	3305.89	55.87	259.23
L2000E 100S	3321.29	55.02	259.29
L2000E 000	3341.09	53.88	259.28
L2500E 2800S	3145.43	63.95	258.13
L2500E 2600S	3149.30	63.85	258.22
L2500E 2400S	3156.61	63.51	258.28
L2500E 2200S	3165.24	63.38	258.63
L2500E 2000S	3177.71	62.69	258.64
L2500E 1800S	3192.05	61.98	258.74
L2500E 1600S	3210.68	61.02	258.83
L2500E 1400S	3225.90	60.17	258.83
L2500E 1200S	3235.88	59.75	258.96
L2500E 1000S	3246.17	59.29	259.09
L2500E 800S	3259.06	58.49	259.05
L2500E 600S	3277.67	57.43	259.11
L2500E 400S	3299.79	56.12	259.12
L2500E 200S	3322.85	54.75	259.16
L2500E 000	3360.58	52.68	259.28
L3000E 2900S	3156.74	63.12	257.98
L3000E 2800S	3160.00	63.06	258.12
L3000E 2600S	3165.06	62.85	258.18
L3000E 2400S	3171.07	62.61	258.25
L3000E 2200S	3176.80	62.38	258.33
L3000E 2000S	3188.07	61.95	258.53
L3000E 1800S	3201.85	61.18	258.54
L3000E 1600S	3217.80	60.34	258.60
L3000E 1400S	3232.52	59.57	258.66
L3000E 1200S	3244.46	59.00	258.77
L3000E 1000S	3257.72	58.27	258.80
L3000E 800S	3271.86	57.60	258.95
L3000E 600S	3288.50	56.71	259.05
L3000E 400S	3307.33	55.68	259.19
L3000E 200S	3330.46	54.26	259.23
L3000E 000	3373.14	51.66	259.08
L3500E 3000S	3160.00	62.66	257.77
L3500E 2800S	3166.12	62.37	257.81
L3500E 2600S	3174.71	62.04	257.94
L3500E 2400S	3183.34	61.68	258.07

...IDE CANADA

L3500E	2200S	3191.81	61.38	258.23
L3500E	2000S	3198.47	61.12	258.33
L3500E	1800S	3211.26	60.38	258.32
L3500E	1600S	3227.61	59.60	258.47
L3500E	1400S	3243.77	58.76	258.55
L3500E	1200S	3257.82	58.02	258.60
L3500E	1000S	3271.29	57.37	258.73
L3500E	800S	3286.39	56.71	258.95
L3500E	600S	3302.10	56.01	259.17
L3500E	400S	3317.50	55.02	259.15
L3500E	200S	3339.58	53.69	259.23
L3500E	000	3385.49	50.86	259.11
TL3000S	500W	3095.38	68.01	259.02
TL3000S	400W	3095.26	67.97	258.99
TL3000S	300W	3097.75	67.76	258.93
TL3000S	200W	3098.56	67.79	259.01
TL3000S	100W	3098.38	67.72	258.95
TL3000S	000	3099.55	67.65	258.96
TL3000S	100E	3100.83	67.59	258.98
TL3000S	200E	3101.42	67.52	258.96
TL3000S	300E	3102.71	67.44	258.96
TL3000S	400E	3104.42	67.32	258.95
TL3000S	500E	3106.78	67.09	258.87
TL3000S	600E	3109.15	66.90	258.83
TL3000S	700E	3112.27	66.67	258.80
TL3000S	800E	3113.53	66.66	258.86
TL3000S	900E	3114.42	66.58	258.85
TL3000S	1000E	3116.47	66.34	258.74
TL3000S	1100E	3117.80	66.28	258.76
TL3000S	1200E	3118.27	66.11	258.63
TL3000S	1300E	3118.26	66.14	258.67
TL3000S	1400E	3117.86	66.16	258.68
TL3000S	1500E	3119.06	66.04	258.64
TL3000S	1600E	3119.20	65.90	258.51
TL3000S	1700E	3120.43	65.81	258.50
TL3000S	1800E	3122.69	65.47	258.30
TL3000S	1900E	3124.88	65.42	258.38
TL3000S	2000E	3126.67	65.43	258.50
TL3000S	2100E	3129.06	65.10	258.31
TL3000S	2200E	3131.70	64.81	258.19
TL3000S	2300E	3136.52	64.65	258.32
TL3000S	2400E	3140.59	64.25	258.17
TL3000S	2500E	3144.03	64.03	258.14
TL3000S	2600E	3145.61	63.92	258.13
TL3000S	2700E	3146.87	63.79	258.08
TL3000S	2800E	3151.73	63.50	258.07
TL3000S	2900E	3155.49	63.17	257.97
TL3000S	3000E	3156.74	63.12	257.98
TL3000S	3100E	3160.06	62.92	257.99
TL3000S	3200E	3157.53	63.07	258.00
TL3000S	3300E	3160.84	62.72	257.84
TL3000S	3400E	3160.48	62.70	257.82
TL3000S	3500E	3160.00	62.75	257.86

EXECUTION TERMINATED

$SIGNOFF

FORTRAN CODING FORM Date July 1970 Page

APPENDIX B: LFC Crone Shootback EM Data

L30E		BLO		L00		L5E	
	DIP ∠ °		DIP ∠ °		DIP ∠ °		DIP ∠ °
29S	-61	30E	-47	00		30S	
28S	-45	28E	-53	2S	-94	28S	-46
27S	-54	26E	-55	4S	-95	26S	-75
26S	-54	24E	-65	6S	-102	24S	-79
24S	-76	22E	-57	8S	-69	22S	-113
22S	-85	20E	-52	10S	-109	20S	-72
20S	-104	18E	-62	12S	-87	18S	-113
18S	-111	16E	-68	14S	-110	16S	-109
16S	-119	14E	-68	16S	-90	14S	-72
14S	-122	12E	-75	18S	-107	12S	-93
12S	-95	10E	-83	20S	-89	10S	-92
10S	-98	8E	-94	22S	-92	8S	-102
8S	-87	6E	-102	24S	-73	6S	-87
6S	-69	4E	-106	26S	-79	4S	-98
4S	-65	2E	-74	28S	-49	2S	-96
2S	-1	0	-97			0	-57
1S	-55					2N	-94
0	-64						
1N	-41						
2N	-37						

FU. RAN CUDING FORM

Date July 1978

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L10E		L15E		L20E		L25E	
	Dip°		Dip°		Dip°		Dip°
2N	-6.8	28S	-81	2N		30S	
0	-15	26S	-90	0	-72	28S	-49
2S	-12	24S	-114	2S	-65	26S	-77
3S	-80	22S	-116	4S	-97	24S	-88
4S	-110	20S	-107	6S	-123	22S	-99
6S	-128	18S	-125	8S	-152	20S	-125
8S	-62	16S	-132	10S	-126	18S	-120
10S	-125	14S	-118	12S	-103	16S	-128
12S	-110	12S	-123	14S	-111	14S	-106
14S	-126	10S	-124	16S	-118	12S	-116
16S	-69	8S	-126	18S	-104	10S	-85
17S	-146	6S	-107	20S	-97	8S	-130
18S	-127	4S	-113	22S	-80	6S	-111
20S	-81	2S	-81	24S	-83	4S	-121
22S	-96	0	-75	26S	-77	2S	-35
24S	-103	2N	-54	28S	-58	0	-83
26S	-111			30S	-25	2N	-54
28S	-72						

FORTRAN CODING FORM Date July 1970 Page

L30E DETAIL

—200' COIL SEPARATION—

	MED FREQ	LOW FREQ
3N	-9	0
2N	-1	+3
1N	-14	-5
0	-6	-6
1S	-26	-13
2S	-36	-11
3S	-28	-18
4S	-35	-16

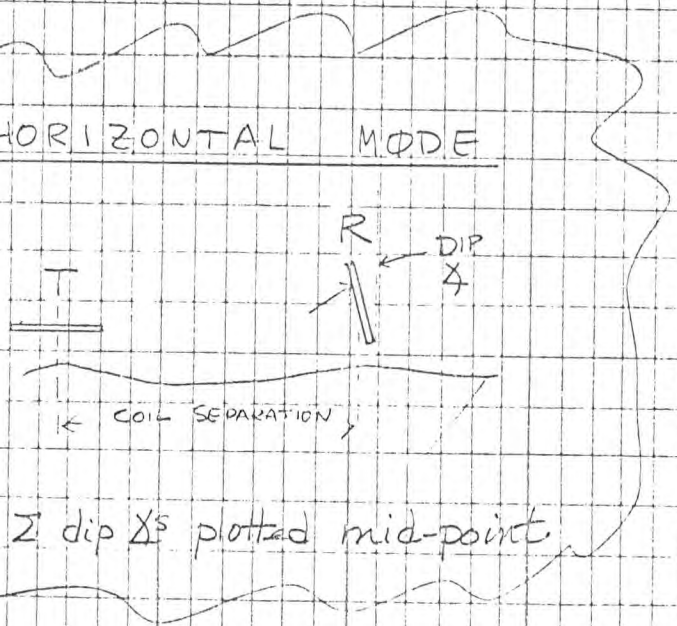
—400' COIL SEPARATION—

	MED FREQ	LOW FREQ
6S		
5S		
4S	-68	-60
3S	-1	-23
2S	0	-17
1S	-49	-49
0	-67	-39

—600' COIL SEPARATION—

	MED FREQ
1S	+8
2S	-9
3S	-72
4S	
5S	
6S	

HORIZONTAL MODE



Σ dip Δs plotted mid-point

Hand Specimen Descriptions:

1) Boulder (Strafy-Reno): fairly massive med to f.g. ZnS/PbS, essent. no matrix; non-pyritic; not @ all like Anvil Dist material. 2 samples of var. chloritic, qtzo-feldspathic gneiss w/ lensy to diss. blebs & blobs of gill. br. ZnS + PbS. Have not seen mineralization ident. to this before. Closest is 400 of Archer-Cathro. Both samples 70% comp. < 10% comb. One is float 200-300' W of boulder Caccounting for "down-ice" geochem. trans?

2) Core: assumed to be "white mica alteration envelope" with @ bottom of SR-0 near boulder as reported by Carlos. 1" specimen does look like anvil sheared & silicified sediments. Minor (< 1%) disp. + no good marcasite blebs but specimen small

3) Trench Shearing (Eagle): diss. & "blebby" med. br. ZnS + minor PbS & Cpy in v. chloritic qtz-chlor-ankerite(?) gneiss or schist; C.F. but not ident. to 2 samples described above from boulder. Again, definitely not pyritic Anvil Dist. sulfides. Somewhat c.f. Lyden mineralization only not in calc-silicate rocks.

DATE: SEPTEMBER 11, 1977.

FILE NO. 10084-2

ASSAY CERTIFICATE

WHITEHORSE ASSAY OFFICE LTD.
BOX 4518 WHITEHORSE Y. T.
PHONE 667 2694 Y1A 2R8

SAMPLE RECEIVED FROM MR. A. CARLOS

SAMPLE NO.	GOLD Oz. Per Ton	SILVER Oz. Per Ton	LEAD	ZINC	COPPER			
4051	.01	.57	1.07	20.07	.06	"High Grade" grab samples off "mineralized boulder on E part of Shale-Reno grid		
4052	.02	3.44	10.38	21.29	.46			

ASSAYER. BT Sav GEO. SPALDING

Company PELLY BANKS SYNDICATE

Drill Hole Log

Dip Tests

____ Ft. ____

____ Ft. ____

____ Ft. ____

____ Ft. ____

At ____ Ft. ____

____ Ft. ____

Property SHALE-RENO

At NTS 105-G-14

Claim No. ____

Working Place ____

Baseline Footage ____

Baseline Offset ____

Date Started May 1978

Date Completed June 1978

Hole Number SR #1

Dip -90°

Length 793'

Bearing ____

Elev. Collar ____

Horiz. Trace ____

Vert. Trace ____

Date Logged June 1978

FROM	TO	DESCRIPTION	REC. FT.	SAMPLE NUMBER	ASSAY
	15	Overburden			
15	328	Quartz sericite chlorite phyllite:	95%+		
		Greenish-grey colour with threads of buff colour sericite here and there. Generally very sericitic, minor calcite - often associated with veinlets or as fracture filling, though sometimes with groundmass from footage 93' on. Chlorite decreasing to about 5%. Starting at 93' F-1 near vertical to F-2. 261' - 282.5' shearing w/fault @ 276'. F-2 bent to 30° for 1.2' @ 273.5'. Within shear zone sericite shows 30% darker grey banding. After fault, no calcite. C.A. 85°. From 155' CA = 75° 50° 80° 75°.			
328	357	Quartz sericite chlorite phyllite:	100%		
		As above but with siliceous bands.			
357	403	Calcite chlorite quartz ± sericite phyllite:	100%		
		White and green mottled appearance. 0.3% pyrite occurring as scattered blebs. Also tan coloured mineral, 0.5 mm size disseminated, probably carbonate mineral - ankerite.			
403	485	"Very fine grain rock" - not identified:	100%		
		Fine, sandy, compact. Very calcitic, numerous cross-fractures, often show offsets (minute to 5 mm); generally			
		END OF HOLE			

Logged by ____

Company PELLY BANKS SYNDICATE

Drill Hole Log - PAGE 2

SR #1

Dip Tests

At ..... Ft. .....
..... Ft. .....
At ..... Ft. .....
..... Ft. .....
At ..... Ft. .....
..... Ft. .....

Property .....
At .....
Claim No. .....
Working Place .....
Baseline Footage .....
Baseline Offset .....
Date Started .....
Date Completed .....

Hole Number .....
Dip .....
Length .....
Bearing .....
Elev. Collar .....
Horiz. Trace .....
Vert. Trace .....
Date Logged .....

OM	TO	DESCRIPTION	REC. FT.	SAMPLE NUMBER	ASSAY
		calcite and quartz filled. Note a few local F-1 structures.			
485	462	Quartz sericite phyllite - mild alteration: Light grey phyllite with parts slightly altered to buff colour. Minor pyrite associated with quartz, widely spread mineralization. C.A. 80-85°.	100%		
62	496	Quartz sericite phyllite - moderate alteration: As section above, but with more alteration showing in bands and also as threads of buff sericite. Rock very sericitic. C.A. 80-85°.	100%		
96	641	Quartz sericite phyllite - mild to highly altered: As 418.5 - 462 feet, but contains a section of 65-70% buff alteration between 645 and 615 feet. More quartzy, minor calcite within fractures and bands, odd pyrite. F-1 moderately developed @ 505' - 570', near vertical to F-2. F-1 fair to good between 605 - 615'. C.A. 75°.	95%+		
41	677	Quartz sericite phyllite: Light grey colour, odd sections show buff colour. C.A. 85°.	100%		
677	678.5	Fault:	85%+		

Logged by .....

Company PELLY BANKS SYNDICATE

Drill Hole Log - PAGE 3

SR #1

Dip Tests

At ____ Ft.
" ____ Ft.
At ____ Ft.
" ____ Ft.
At ____ Ft.
" ____ Ft.

Property ____ Hole Number ____
At ____ Dip ____
Claim No. ____ Length ____
Working Place ____ Bearing ____
Baseline Footage ____ Elev. Collar ____
Baseline Offset ____ Horiz. Trace ____
Date Started ____ Vert. Trace ____
Date Completed ____ Date Logged ____

FROM	TO	DESCRIPTION	REC. FT.	SAMPLE NUMBER	ASSAY
		Crushed w/gouge. Medium-grey sericitic at upper end and dark grey to black graphitic at lower end.			
5	689	Calcite chlorite phyllite: Massive, greenish-white colour.	100%		
689	742	Chlorite calcite phyllite: Massive, medium green colour. Odd scattered pyrite. Also minor blebs pyrrhotite. C.A. 65-75°.	95%+		
742	753	Quartz sericite calcite chlorite phyllite - shear zone: Rocks moderately to highly sheared. Possible fault @ 747'-753'. Rock altered, more siliceous.	3'/11'		
753	759	Quartz sericite calcite ± chlorite phyllite: As above section but not sheared. Siliceous, altered, minor buff alteration. C.A. 80-85°.	95%+		
759	777	Quartz chlorite calcite phyllite: Massive. Last 7' sheared, locally brecciated, shearing 30° to core. C.A. 65-85°.			
777	777.5	Quartz chlorite phyllite - shear and fault, gougey.			
		END OF HOLE			

Logged by ____

Company PELLY BANKS SYNDICATE

Drill Hole Log - PAGE 4

Dip Tests

At ____ Ft. ____
t ____ Ft. ____
At ____ Ft. ____
t ____ Ft. ____
At ____ Ft. ____
t ____ Ft. ____

Property ____ Hole Number SR #1
At ____ Dip ____
Claim No. ____ Length ____
Working Place ____ Bearing ____
Baseline Footage ____ Elev. Collar ____
Baseline Offset ____ Horiz. Trace ____
Date Started ____ Vert. Trace ____
Date Completed ____ Date Logged ____

OM	TO	DESCRIPTION	REC. FT.	SAMPLE NUMBER	ASSAY
777.5	793	Quartz sericite phyllite - buff alteration: Totally altered to buff colour, 20% sheared and crumbly. Parts pale grey, siliceous alteration. Note more pyrite (0.4%) following F-2. F-1 not recognized. No calcite noted in rock except as later fracture fillings. C.A. 80-65°.			
	793	END OF HOLE			
		END OF HOLE			

Logged by F. Chow

Company PELLY BANKS SYNDICATE

Drill Hole Log

SR #2

Dip Tests

At ____ Ft. ____

____ Ft. ____

At ____ Ft. ____

____ Ft. ____

At ____ Ft. ____

____ Ft. ____

Property Shale-Reno

At ____

Claim No. ____

Working Place ____

Baseline Footage 32 W

Baseline Offset 175' S

Date Started July 15, 1978

Date Completed July 18, 1978

Hole Number ____

Dip -60°S

Length 225'

Bearing ____

Elev. Collar ____

Horiz. Trace ____

Vert. Trace ____

Date Logged ____

FROM	TO	CORE REC.	DESCRIPTION	SAMPLE NUMBER	ASSAY
0	45:5		Overburden		
4.5	93	40/47.5	Graphitic phyllite with intervals of chlorite sericite phyllite. Core black with white stripe appearance. Quartz with trace calcite marks F_1 foliation. Very minor sulphide showing in form of fine-grained aggregates randomly distributed along some F_1 structure.		
			Detail:		
			57 - 64: Chlorite sericite phyllite. Green coloured with white stripes. Trace calcite. Very minor sulphide showing as isolated grains.		
			First contact $\simeq$ 85°; second contact $\simeq$ 80°.		
			F_2 = 80°; F_1 = indistinct.		
			70 - 72.5: Chlorite sericite phyllite. Similar to 57 - 64. Contacts broken grd.		
			73.5 - 86.5: Increase in carbonaceous material. Core is very black and has lesser white stripes. Sulphides more distinct and aggregates bigger. Pyrite occurring as circular aggregates ($\phi \simeq \frac{1}{4}" \sim \frac{1}{2}"$) surrounded by quartz/calcite. Pressure shadow around circular sulphide aggregates. Sulphides also as trains along widely-spaced quartz laminae. $F_1 = F_2 \simeq 80 \sim 85°$. Sulphides $\leq$ 1%.		
			86.5 - 86.9: Fault. Black gouge with graphitic sericite flakes.		
			93: Decrease in graphitic constituent.		
			END OF HOLE		

Logged by ____

Company PELLY BANKS SYNDICATE

Drill Hole Log

Dip Tests

At ____ Ft. ____
At ____ Ft. ____
At ____ Ft. ____
At ____ Ft. ____
At ____ Ft. ____
At ____ Ft. ____

Property Shale-Reno
At ____
Claim No. ____
Working Place ____
Baseline Footage ____
Baseline Offset ____
Date Started ____
Date Completed ____

Hole Number SR #2
Dip ____
Length ____
Bearing ____
Elev. Collar ____
Horiz. Trace ____
Vert. Trace ____
Date Logged ____

OM	TO	CORE REC.	DESCRIPTION (continued, page 2)	SAMPLE NUMBER	ASSAY
93	138.5	42/45.5	Dark grey sericite phyllite with trace graphite. Solid hard core. Occasionally sulphide aggregates. $F_2 \approx 85^\circ \sim 90^\circ$; F_1 sub-vert. to F_2. F_1 marked by quartz/trace calcite. 107.5: Large aggregates of pyrite 1" x 1" with cubic crystals. 128: Shear. 138.5: Contact with chloritic sericite phyllite. Contact broken grd.		
8.5	154.5	13/16	Chloritic sericite phyllite, greenish groundmass with dark green mottling. Trace calcite. Sulphides as blebs randomly distributed along some of the F_2 planes. Clay minerals along some foliation. $F_2 \approx 75 \sim 80^\circ$. F_1 indistinct.		
54.5	183	25/28.5	Sericite phyllite with trace graphite. Very fissile core. Dark grey in colour with white stripes (quartz). Chlorite in some laminae. Good F_1 and F_2 relationships. Pyrite clusters at 176' surrounded by quartz. $F_2 \approx 75 \sim 80^\circ$. F_1 sub-vertical to F_2. 157 - 162: Fault zone. Crushed sericite phyllite and clayey gouge. 183: Contact with graphitic phyllite $\approx 80^\circ$.		
			~~END OF HOLE~~		

Logged by ____

Company PELLY BANKS SYNDICATE

Drill Hole Log

Dip Tests

At____ Ft.____
t____ Ft.____
At____ Ft.____
t____ Ft.____
At____ Ft.____
t____ Ft.____

Property Shale-Reno
At____
Claim No.____
Working Place____
Baseline Footage____
Baseline Offset____
Date Started____
Date Completed____

Hole Number SR #2
Dip____
Length____
Bearing____
Elev. Collar____
Horiz. Trace____
Vert. Trace____
Date Logged____

OM	TO	CORE REC.	DESCRIPTION (continued, page 3)	SAMPLE NUMBER	ASSAY
183	225	40/42	Graphitic phyllite. Black with widely-spaced white stripes (quartz). Core very fissile, breaking into poker chips. Good showing sulphide layering following F_2 and F_1. Sulphides mostly pyrite with associated chalcopyrite. Sulphide bands at 195', 200', 204' and 205', each occurrence being fine-grained layered sulphides and averaging ½" in thickness. $F_2 = 75 \sim 80^{\circ}$. F_1 sub-vertical to F_2. Total sulphides estimate: $\leq$ 1%. 214 - 225: Sulphide showings in widely-spaced quartz laminae.		
5			END OF HOLE		
			END OF HOLE		

Logged by Alexander Y. Po

Company PELLY BANKS SYNDICATE

Drill Hole Log

Dip Tests

At ____ Ft.
At ____ Ft.
At ____ Ft.
At ____ Ft.
At ____ Ft.
At ____ Ft.

Property Shale-Reno
At
Claim No.
Working Place
Baseline Footage 8 W
Baseline Offset 520' N
Date Started July 20, 1978
Date Completed July 23, 1978

Hole Number SR #3
Dip -60°S
Length 162'
Bearing
Elev. Collar
Horiz. Trace
Vert. Trace
Date Logged

FROM	TO	CORE REC.	DESCRIPTION	SAMPLE NUMBER	ASSAY
	19		Overburden		
	162	9/143	Gougy friable graphitic materials. Solid core shows graphitic phyllite with interlaminated quartzose materials. Very poor core recovery. Appears to be badly sheared ground.		
			END OF HOLE		
			END OF HOLE		

Logged by Alexander Y. Po

Company PELLY BANKS SYNDICATE

Drill Hole Log

Dip Tests

At____ Ft.____

____ Ft.____

At____ Ft.____

____ Ft.____

At____ Ft.____

____ Ft.____

Property Shale-Reno

At____

Claim No.____

Working Place____

Baseline Footage 0+00

Baseline Offset 2 N

Date Started July 25, 1978

Date Completed July 29, 1978

Hole Number SR #4

Dip -80°E

Length 272'

Bearing____

Elev. Collar____

Horiz. Trace____

Vert. Trace____

Date Logged____

FROM	TO	CORE REC.	DESCRIPTION	SAMPLE NUMBER	ASSAY
0	15		Overburden casing.		
15	57	15/42	Graphitic phyllite. Generally dark in colour except for minor interstratified quartzofeldspathic laminae, finely laminated sericite and discontinuous quartz stringers. Core easily breaks into poker chip size along F_2 foliation. Occasional sulphide specks mostly pyrite. Detail: 15 - 27: Broken core ranging from 2" in length to pebble size. Associated with bull quartz and trace calcite. 27 - 37: Fault zone. Dark grey sticky gouge with very minute sulphide grains. Gouge material mostly clay, trace of graphite and sericite. 43 - 44: Shear zone - tight shear planes marked by lustrous and slicken sided graphitic material. Partly healed by quartz. Minor amount of sulphides along fracture planes. 46 - 51: Distinct F_1/F_2 relationship. $F_2 = 45^\circ$ to core axiz. F_1 subvertical to F_2. Sulphides occur in both F_1 and F_2. 51 - 57: Broken core. Distinct specks and trains of sulphides (mostly pyrite) along F_2. Trace of galena and brown sphalerite. Estimated total sulphides = 1%. C.A: $F_2 = 80 \sim 85^\circ$. F_1 subparallel to core axis. 57: Gradual change to quartz sericite phyllite.		

Logged by____

Company PELLY BANKS SYNDICATE

Drill Hole Log

Dip Tests

	Ft.		At	Dip	
At	Ft.		Claim No.	Length	
	Ft.		Working Place	Bearing	
	Ft.		Baseline Footage	Elev. Collar	
At	Ft.		Baseline Offset	Horiz. Trace	
	Ft.		Date Started	Vert. Trace	
			Date Completed	Date Logged	

Property Shale-Reno

Hole Number SR #4

FROM	TO	CORE REC.	DESCRIPTION (continued, page 2)	SAMPLE NUMBER	ASSAY
57	87	12/30	Quartz sericite phyllite. Dark grey, fine lamination of sericite with trace graphite and quartzofeldsphatic materials. Core generally more solid than the graphitic interval but also tends to break into poker size chips - fissile.		
			Detail:		
			57.5 - 58: Fold nose closure, could be F_1 (?). Pyrite in well-formed cubic aggregates.		
			62 - 63: Specks and aggregate of chalcopyrite. F_1 = parallel toC.A; $F_2 = 80 \sim 85^{\circ}$. Numerous very minute sulphides along foliation - difficult to identify megascopically and macroscopically. Some sulphide grains form trains along F_1.		
			63: Small fault $\approx$ 1" - crushed rock, slicken sided but has no thick gouge.		
			63 - 68: Very good showing of F_1/F_2 relationship. $F_2 \approx 75 \sim 80^{\circ}$. F_1 sub-parallel to core axis. Very fine grained sulphides in both foliation plane. Estimated total sulphide $\leq$ 1%.		
			68 - 77: Broken core - minor pyrite grains along foliations.		
87	89.5		Fault contact. Fault zone from 86.9 to 89.5. Actual change in lithology at 87.2. Fault marked by dark gouge changing to white with greenish tint.		
			END OF HOLE		

Logged by

Company PELLY BANKS SYNDICATE

Drill Hole Log

Dip Tests

A* ____ Ft.
____ Ft.
At ____ Ft.
____ Ft.
At ____ Ft.
____ Ft.

Property Shale-Reno
At
Claim No.
Working Place
Baseline Footage
Baseline Offset
Date Started
Date Completed

Hole Number SR #4
Dip
Length
Bearing
Elev. Collar
Horiz. Trace
Vert. Trace
Date Logged

FROM	TO	CORE REC.	DESCRIPTION (continued, page 3)	SAMPLE NUMBER	ASSAY
90.5	152	56.8/62.5	Chloritic quartz-sericite phyllite. Light greenish grey with some interstratified fine laminae of buff bleached sericite. Minor clusters of pyrite in places.		
			Detail:		
			90.5: Pyrite grains showing good cubic crystals along F_2. Pressure shadow around some of the grains. $CaCO_3$ bordering some of the pyrite. $F_2 \approx 75 \sim 80^o$; F_1 sub-parallel to core axis.		
			95 - 96: Bleached sericite phyllite. Light greenish buff colour. Gradual change to far more chloritic facies at both ends.		
			$F_2 \approx 75 \sim 80^o$. F_1 - sub-parallel to core axis.		
			99 - 99.5: Bull quartz. Solid, barren. First contact $\approx 45^o$; second contact $\approx 65^o$.		
			103 - 104.5: Bull quartz. Barren. Calcite stringer at 103.5'. First contact $\approx 50^o$; second contact $\approx 80^o$.		
			106.9 - 113: Prominent fine interlamination of chlorite and bleached sericite. Rock has green striped appearance. Minor sulphide showing as cluster or trains along F_2. $F_2 \approx 60^o$. F_1 - subvertical to F_2.		
			Note: At 111.5 - fine-grained sulphide band parallel to F_2. Band characterized by quartz-sericite-sulphide and inter-layered bleached sericite. Band $\approx 3/4"$.		
			113 - 114: Greenish buff bleached sericite phyllite. $F_2 = 85^o$; F_1 indistinct.		
			END OF HOLE		

Logged by

Company PELLY BANKS SYNDICATE

Drill Hole Log

Dip Tests

At ____ Ft. ____
t ____ Ft. ____
At ____ Ft. ____
t ____ Ft. ____
At ____ Ft. ____
t ____ Ft. ____

Property Shale-Reno
At ____
Claim No. ____
Working Place ____
Baseline Footage ____
Baseline Offset ____
Date Started ____
Date Completed ____

Hole Number SR #4
Dip ____
Length ____
Bearing ____
Elev. Collar ____
Horiz. Trace ____
Vert. Trace ____
Date Logged ____

OM	TO	CORE REC.	DESCRIPTION (continued, page 4)	SAMPLE NUMBER	ASSAY
			114 - 115.5: Bull quartz. Contacts broken grd.		
			115.5 - 127.5: Chlorite-rich interval. Greenish in general appearance with widely-spaced fine laminae of bleached sericite; occasional pyrite grains. F_2 = 80 ~ 85°. F_1 subvertical to F_2.		
			127.5 - 128: Shear zone. Broken core with distinct shear planes and minor gouge.		
			131 - 152: Similar to 115.5 - 127.5 but with more bleached sericite laminae. F_2 = 80 ~ 85°. F_1 ≈ subvertical to F_2. F_1 fold noses in core.		
			152: Contact with dark grey quartz sericite phyllite. Contact ≈ 80°.		
152	153	1/1	Quartz sericite phyllite - generally dark grey in colour with white stripes. The quartz usually as bands parallel to F_2. F_1 marked by carbonates. F_2 ≈ 75 ~ 80°. F_1 sub-parallel to core axis.		
			153: Contact with chloritic sericite phyllite. Contact ≈ 80°.		
153	158	4.8/5	Chloritic quartz sericite phyllite - striped green and white in general appearance. Occasional grain of pyrite. Trace calcite. F_2 = 80°. F_1 subvertical to F_2.		
			158: Short contact of fine grain and finely laminated chlorite sericite phyllite. Contact ≈ 80°.		
			END OF HOLE		

Logged by ____

Company PELLY BANKS SYNDICATE

Drill Hole Log

Dip Tests

Property Shale-Reno — Hole Number SR #4

____ Ft. — At ____ — Dip ____

____ Ft. — Claim No. ____ — Length ____

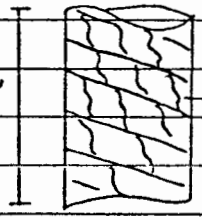
At ____ Ft. — Working Place ____ — Bearing ____

____ Ft. — Baseline Footage ____ — Elev. Collar ____

At ____ Ft. — Baseline Offset ____ — Horiz. Trace ____

____ Ft. — Date Started ____ — Vert. Trace ____

Date Completed ____ — Date Logged ____

OM	TO	CORE REC.	DESCRIPTION (continued, page 5)	SAMPLE NUMBER	ASSAY
158	191	27/33	Chlorite sericite phyllite. Greenish rock with fine laminae of buff bleached sericite. Rock has appearance of fine grain pellitic sediments. Sulphides, mostly pyrite, occurring as isolated crystals and blebs/lenses parallel to foliation. Sulphides $\leq$ 2%. F_2 = 70~80°. F_1 subvertical to F_2. Sulphides in both foliations. N.B: Sulphides are very fine grained to be accurately identified. The lenses and blebs appear to have been precipitated together with the formation of surrounding rocks. Such lenses/blebs show same deformation as shown by country rock. This is clearly shown in 190-191 where sulphide bands mark F_1 and are transposed by F_2.		
			 F_1 with sulphides - pyrite/chalcopyrite and trace galena and sphalerite.		
191	272	70/81	Chlorite sericite phyllite. Same rock type as above but less sulphides showing except for occasional grains of pyrite/chalcopyrite as either isolated crystals or as trains along F_1. Estimated total sulphides < 1%. Short intervals of bull quartz at 212', 215', 219', 230', 236', 250' and 255'. 215.5: Tight shear healed by calcite and chlorite. F_2 = 75° ~ 80°. $F_1 \approx$ subvertical to F_2.		
			~~END OF HOLE~~		

Logged by ____

Company PELLY BANKS SYNDICATE

Drill Hole Log

Dip Tests

At ____ Ft. ____
At ____ Ft. ____
At ____ Ft. ____
At ____ Ft. ____
At ____ Ft. ____
____ Ft. ____

Property Shale-Reno
At ____
Claim No. ____
Working Place ____
Baseline Footage ____
Baseline Offset ____
Date Started ____
Date Completed ____

Hole Number SR #4
Dip ____
Length ____
Bearing ____
Elev. Collar ____
Horiz. Trace ____
Vert. Trace ____
Date Logged ____

FROM	TO	CORE REC.	DESCRIPTION (continued, page 6)	SAMPLE NUMBER	ASSAY
			215 - 272: Increase in chloritic constituent. Intervals of knotted chlorite giving rock mottled appearance especially noticeable on end surfaces of core. Sulphide grains occasionally along F_1 and F_2, i.e. 264'. Widely-spaced interlaminated greenish buff bleached sericite section along run.		
			$F_2 = 80^o$. F_1 subvertical to F_2.		
272			END OF HOLE		
			Comments:		
			(1) Hole shows definite mineralization, although weak, contemporaneous with sedimentation.		
			(2) Graphitic horizon appears terminated by fault and thus contact does not indicate limit of ponding basin.		
			END OF HOLE		

Logged by Alexander Y. Po.

Orig. notes to be filed w/ report

Leach - Fault - Czar

Assumed by all workers to ≡ Ameril Dist.
e.g. Smith, Skona, Stammers, Granger

Cu Pb Zn soil geochem completed. Zn only plotted 2 anom. areas. Best area optioned in 1978 by DuPont (Sandy McLean). On sm. grid they checked geochem & confirmed, had Ager do gravity & Crone "Shootback" EM 5 holes drilled on combinations of EM ± Gravity ± Geochem & assumption of ≡ to Ameril Dist. Ager recommended drilling to 500' (160m), McLean drilled 35-72m. All soil geochem. explained by rock geochem. Inspection of Pb data shows utterly no support for high Zn values e.g. 16-24 ppm. across boards)

Recommendation: Forget it. Only Zn geochem in graph. units, no supporting Pb. Residual gravity max = 0.20 mgal Thus insignificant in light of data reduction uncertainties. Do not option

Shale - Reno - Fred - Eagle

Usual assumption of equivalence to Ameril Dist. No formal geol. rpt. One boulder showing on "Shale" looks close to in place. " trench " " "Eagle" Pictures of trench showing not overly convincing that there's much to the showing i.e. only sm. amt. mineralized rk.

Work Done:

1) Prospecting rpt. by A. Carlos 1 July 77 - 30 Mar 78 - no real info
2) Geochem. rpt " " " 29 Aug to 12 Oct 77: claim loc. line survey + chain & compass. No Pb support for anom. Zn. Neither metal wildly anom. in area. Survey covers limited area around float occurrence. Fairly amateurish job - Zn only contoured in silts & soils together
3) EM rpt. by A. Carlos 1 Dec 77 - 30 June 78 EM 16 & 17 run by " " interpeted by Piresunka - usual sheepshit. Fraser filter applied to EM data shows

long conductor assoc. w/ broad resid. grav. high (see grav. map)

4) Gravity report by C.A. Ager: finds 2 highs sep. by low. Southern high (1.0 mgal resid. or less) recommended testing by 3 >600' DDH's + 1 DDH to test mag. high assoc. w/ grav. low in central part of area. This plan (gely ignored by Carlos & Pelly Banks Syndicate (see grav. map)

5) Drilling: 4 DDH's (generally short - see grav. map) completed by Carlos & Harris w/ their BBS-1. Testing mainly around "mineralized boulder" area on E end of grid. 1 DDH (SR-2) on "Fraser filtered EM-16 linear conductor. Holes logged by Chow & Po of Keer-Addison All under impression these are Anvil Dist. rks. All core in Bostock Library in Whitehorse. In general, Carlos has ignored Ager's gravity & mag. high. Still two ≈ 1.0 mgal grav. targets to test

Hand Specimen Decriptions:

(Shale-Reno)

1) Boulder: fairly massive med to f.g. ZnS/PbS, essent. no matrix; non-pyritic; not @ all like Anvil Dist material. 2 samples of var. chloritic, qtzo-feldspathic gneiss w/ lensy to diss. blebs & blobs of yell. br. ZnS + PbS. Have not seen mineralization ident. to this before. Closest is H00 of Archer-Cathro. Both samples 70% comp. < 10% comb. One is float 200-300' W of boulder (accounting for "down ice" geochem. trans??)

2) Core: assumed to be "white mica alteration envelope" hit @ bottom of SR-01 near boulder as reported by Carlos. 1" specimen does look like VME near unit 5 hosted deposits. Minor (<1%) diss py — no good marcasite blebs but specimen small

(Eagle)

3) Trench Showing: diss & "blebby" med br. ZnS + minor PbS & Cpy in v. chloritic qtz-calc-ankerite (?) gneiss or schist; C.F. but not ident. to 2 samples described above from boulder. Again, definitely not pyritic Anvil Dist. sulfides. Somewhat c.f. Lyon mineralization only not in calc-silicate rocks

1) Deal
- $80,000 front end payment
- 2 yr. option / free period to evaluate
- direct buy out / carried interest ??

2) Impressions
- c.f. 400 ?? This should be eval.
- definitely not Ameri ≡
- too much front end
- possible AmMac JV
- extensive trenching of Eagle showing (5' boulder?)
- remaining grav. anoms
- Spectral IP

DUPONT

Y-REVENUE

GEM/BIS

NITHEX

Dufont
Leach-Fautt-Czar
(LFC)
(Returned to "Pelly Banks Syndicate"

Geochem
Gravity
Drilling

Val

Black

K-ADDISON
(Returned to "Pelly Banks Syndicate"

Van

CARLOS-HARRIS

PELLY BANKS "SYNDICATE"

Eagle

Trenched Showing

EM-16 only

Fred

Revo-Shale

EM-16
Geochem
Gravity
Mag
Drilling

Ft. Pelly Banks

Boulder

KERR-ADDISON

Pelly

NITHEX

PELLY MOUNTAINS

PELLY RIVER

UU

UU VU

ANVIL RANGE

Faro

Ross River

Pelly Banks

ROSS RIVER

ANVIL-VANGORDA — PELLY BANKS
"LOCATION MAP"

Zinc-lead deposits

10 0 10
miles

PROPERTY LOCATIONS

"PELLY BANKS" AREA

Zinc-Lead ---------- FLOAT ● SHOWING ●

CUT LINES ---------

TRACTOR ROAD

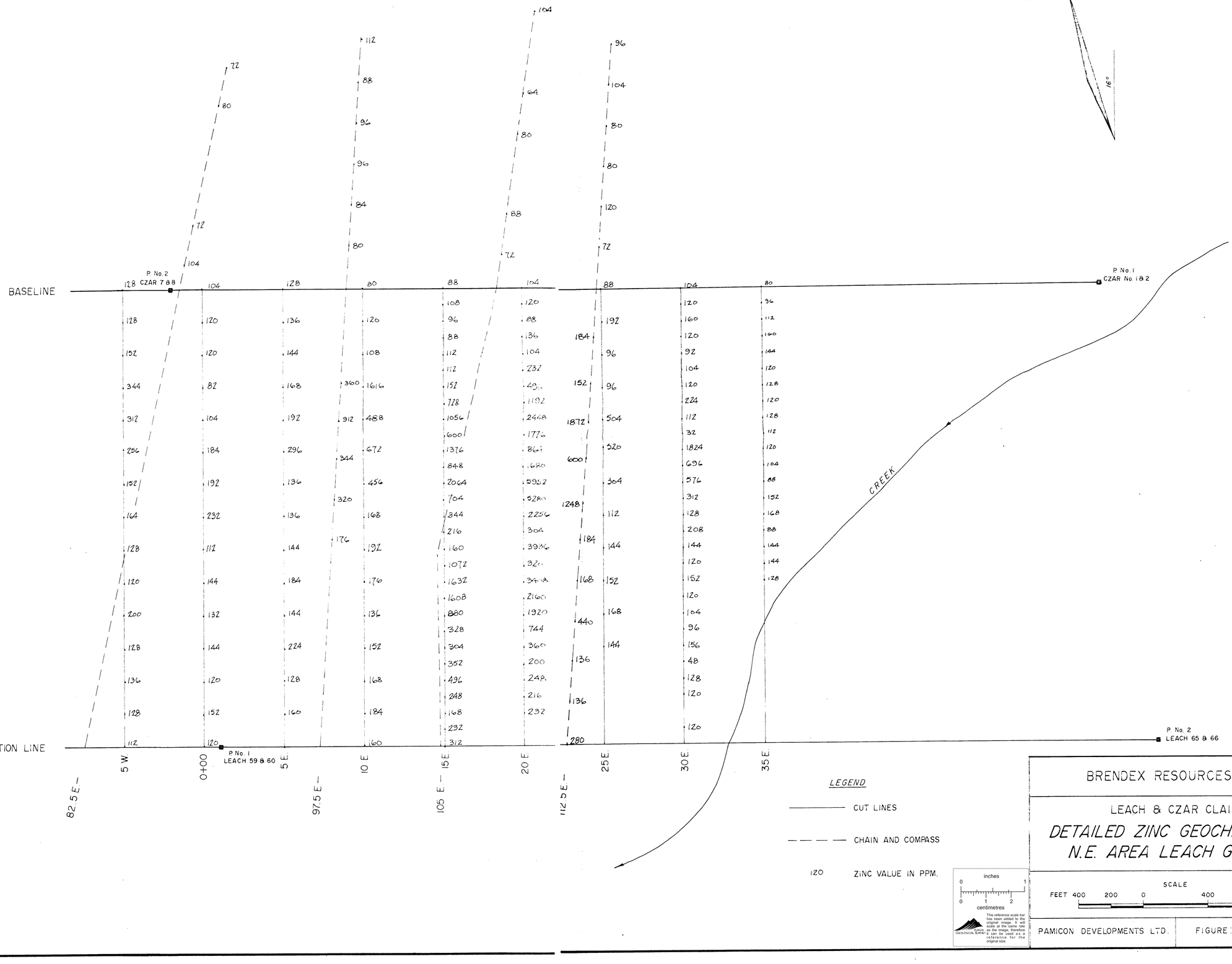
SCALE------- 1:50,000

= Available For Option

inches
0 1
0 1 2
centimetres

This reference scale bar has been added to the original image & will print correctly only as the image. Therefore it can be used as a reference for the original size.

Figure 1


N
16°
BASELINE
P. No. 2
CZAR 7 & 8
P. No. 1
CZAR No. 1 & 2
CREEK
LOCATION LINE
P. No. 1
LEACH 59 & 60
P. No. 2
LEACH 65 & 66
82.5 E
5 W
0+00
5 E
97.5 E
10 E
105 E
15 E
20 E
112.5 E
25 E
30 E
35 E
LEGEND
CUT LINES
CHAIN AND COMPASS
120 ZINC VALUE IN PPM.
inches
centimetres
This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.
BRENDEX RESOURCES LTD.
LEACH & CZAR CLAIMS
DETAILED ZINC GEOCHEMISTRY
N.E. AREA LEACH GROUP
SCALE
FEET 400 200 0 400 800 FEET
PAMICON DEVELOPMENTS LTD.
FIGURE: 5

L 5W | L 0 | L 5E | L 10E | L 15E | L 20E | L 25E | L 30E | L 35E

LEACH 14 | CZAR 8 | CZAR 6 | CZAR 4

B'0'

L 4S

LEACH 17 | CZAR 7 | CZAR 5 | CZAR 3

L 8S

L 12S

L 16S

L 20S

LEACH 57 | LEACH 59 | LEACH 61 | LEACH 63

L 24S

L 28S

LEACH 58 | LEACH 60 | LEACH 62 | LEACH 64

-25 S | -26 S | -27 S | -28 S | -29 S | -30 S

A | B | C | D

0.10 | 0.20 | 0.30

20 | 60 | 100 | 140 | 500 | 1500

1 | 2 | 3 | 4 | 5 | 6

LEGEND

- PROPOSED DRILL HOLE
- ZINC PPM
- CEM DIP
- RESIDUAL GRAVITY HIGHS

inches
0 1 2
0 1 2 3 4 5
centimetres

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

YUKON GEOLOGICAL SURVEY

200 0 200 400 600
Feet
(1 cm = 30 Metres)

N.T.S. 105 G/14

DU PONT OF CANADA
EXPLORATION LIMITED
—PELLY BANKS AREA—
WATSON LAKE MINING DISTRICT, YUKON TERRITORY

INTERPRETATION MAP

TO ACCOMPANY REPORT TITLED:
GRAVITY & EM SURVEY
LEACH-FAULT-CZAR CLAIMS AREA
BY: C.A. AGER PhD, PEng.
DATED: JULY, 1978 PROJECT: L-F-C

Charles A. Ager

C.A. AGER & ASSOC.
SURREY B.C. CANADA

DWN. BY: T.M.
CHK. BY:
DATE: JULY, 1978

FIG. NO. 8

112.5 W

B.L.

float

132.5 W

107.5 W

inches
0 1 2
0 1 2 3 4 5
centimetres

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

YUKON GEOLOGICAL SURVEY

"SHALE" GROUP

CU- PB soil geochemistry

PB silt

PB soil o — >24 ppm >30 —●

CU soil —50—

Sept. 77

scale: 1" 1000'

112.5 W

B.L.

float

132.5 W

117.5 W

107.5 W

"SHALE" GROUP

CU - ZN SILT + ZN SOIL GEOCHEMISTRY

Sept—77

scale 1" = 1000 ft.

inches

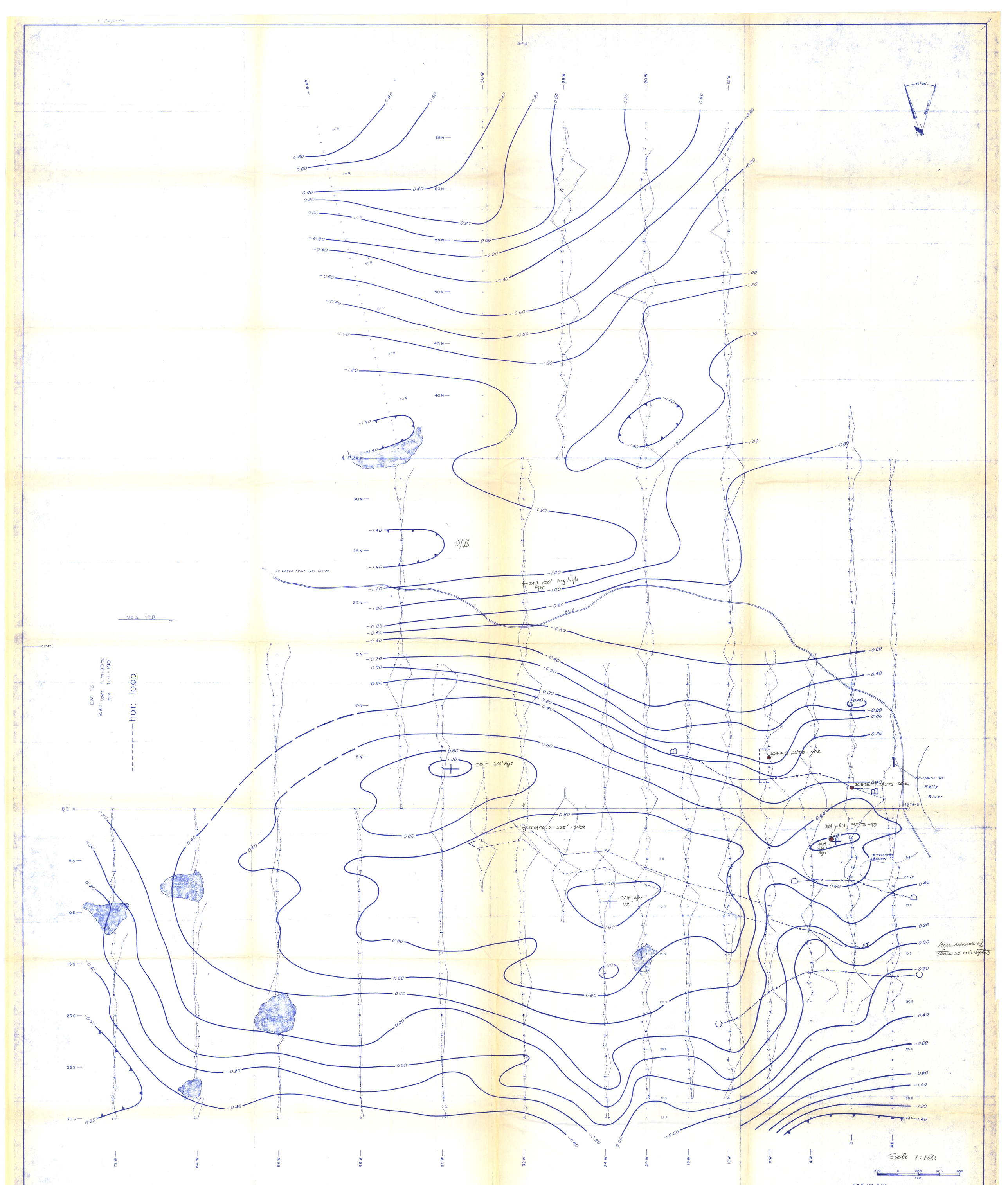
0 1 2

0 1 2 3 4 5

centimetres

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

YUKON GEOLOGICAL SURVEY



Ager recommends these as main depths

Scale 1:100

200 0 200 400 600 Feet

N.T.S. 105 G/14

PELLY BANKS SYNDICATE

RENO, SHALE CLAIMS AREA - PELLY RIVER

WATSON LAKE DISTRICT, YUKON TERRITORY

COMPLETE BOUGUER GRAVITY

CONTOUR INTERVAL 0.20 MGAL

NON-LINEAR ELEVATION FACTOR

DWN BY T.M.	C.A. AGER & ASSOC.	FIG. NO.
CHECKED	SURREY B.C. CANADA	4
DATE MAY, 1978		

TO ACCOMPANY REPORT TITLED
GRAVITY & MAGNETICS —
RENO, SHALE CLAIMS AREA
BY C.A. AGER P.Eng.
DATED MAY, 1978 PROJECT PELLY BANKS SYNDICATE

Charles A. Ager

YUKON GEOLOGICAL SURVEY

This reference scale bar should measure 5 cm on original image. If not, scale of the same ratio as the original image can be used as a reference for the original size.